

Laser Spare Parts Catalog

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"At less than half the cost of the German-made head, we were able to afford the Laser Mech Mitsubishi® upgrade – which included multiple features we were looking for."

Dowding Industries
Eaton Rapids, Michigan



Magnetic Crash Protection



Lens Cartridge System



Capacitive Height Sense



Contact Cutting

Mitsubishi® Laser Retrofits

Laser Mech's Mitsubishi® Cutting Head Upgrade brings state-of-the-art laser processing technology to your existing Mitsubishi® flatbed cutting machine.

The head features Laser Mech's industry leading, cartridge style lens holder which allows you to easily remove lenses for inspection or cleaning, and replace them without the need for realignment.

Single and multiple focal length designs are available to match your cutting requirements and Laser Mech's magnetic crash protection allows for immediate head reset using no tools – no broken acrylic screws or stripped threads.

The head features an external, adjustable focus ring and a precision vernier focus scale for establishing accurate, repeatable focus settings. And with the addition of Laser Mech's Capacitive Height Sense Unit (Laser Mech head required) you can add true non-contact cutting to your existing Mitsubishi® machine.

Call Laser Mech today for more information on how a Mitsubishi® Cutting Head Upgrade can enhance your machine's performance and increase your overall productivity.

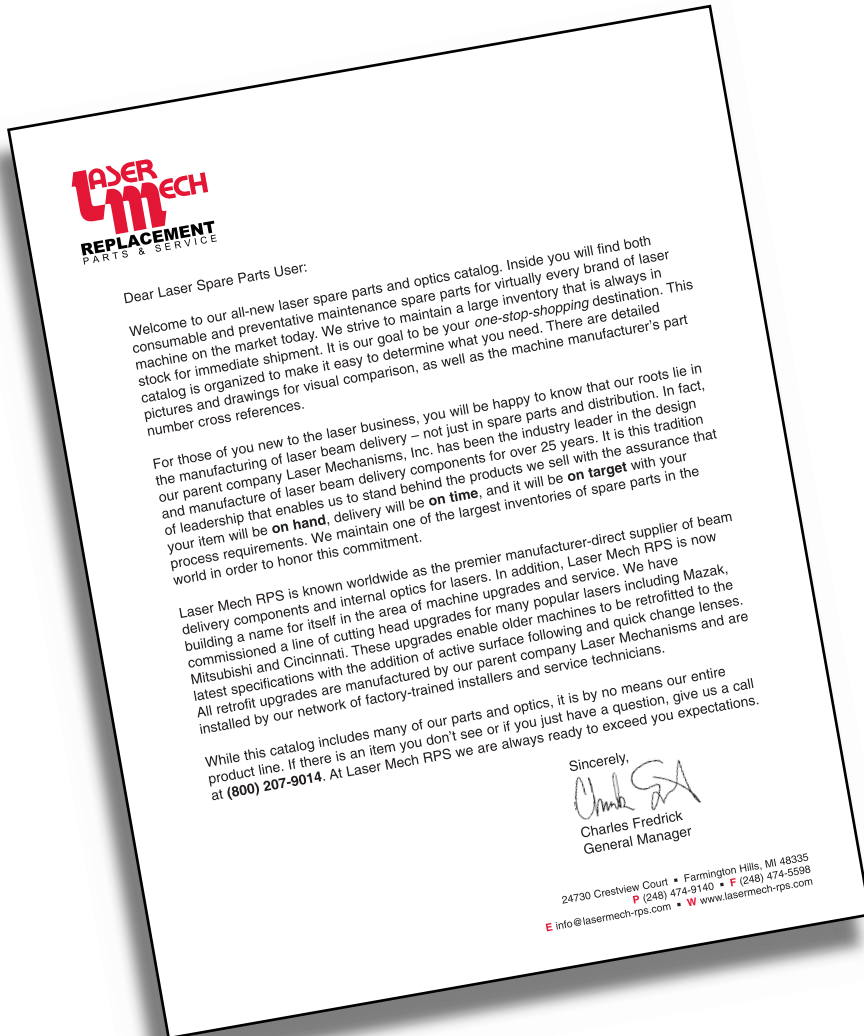
Laser Mech Replacement Parts & Service

24730 Crestview Court
Farmington Hills, Michigan 48335
www.lasermech-rps.com

(800) 207-9014

**LASER
MECH**
**REPLACEMENT
PARTS & SERVICE**

Welcome



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Factory Repair and Field Service

If your laser beam delivery system or component should ever require factory service, our staff of professional repair technicians will return your product to its original operating specifications.

Should you ever require field service or repair, our nationwide network of factory-authorized technicians will get you back in business quickly.

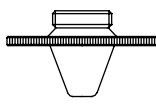
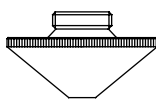
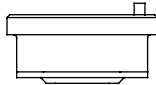
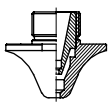
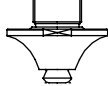
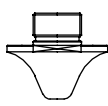

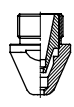
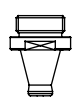

Please contact a Laser Mech RPS technical sales associate today at **(800) 207-9014** for a complete list of laser machines serviced and for additional information regarding field service in your area.









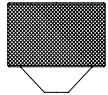

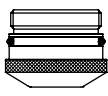

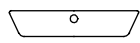
Laser Mech RPS is your single source supplier for all of your laser needs







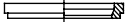



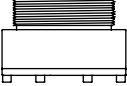
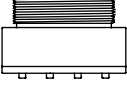
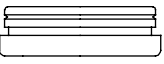
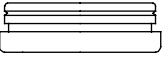
LM Part #	Reference #	Description
Amada		
Lenses		
PLLZ0131	81140303	5.0" FL – 1.1" Dia., ZnSe, 0.236" ET, Unmounted
PLLZ0132	81140305	5.0" FL – 1.5" Dia., ZnSe, 0.300" ET, Unmounted
PLLZ0132B		5.0" FL – 1.5" Dia., ZnSe, 0.300" ET, Low Absorption Black Lens
PLLZ0133	81140306	5.0" FL – 1.5" Dia., ZnSe, Mounted
PLLZ0150		5.0" FL – 2.0" Dia., ZnSe, 0.380" ET, Unmounted
PLLZ0153		7.5" FL – 1.5" Dia., ZnSe, 0.315" ET, Unmounted
PLLZ0156		7.5" FL – 2.0" Dia., ZnSe, Mounted
Mirrors & Internals		
PLPRG0004	71198087	Rear Mirror – 1.1" x 0.236", 20.0MCC (1.5 kW Fanuc)
PLPRG0005	71198094	Rear Mirror – 1.5" x 0.315", 35.0MCC (2.0 kW Fanuc)
PLPRZ0005	71198081	Output Coupler – 1.1" x 0.236", 20.0MCC 60%R/9.00MCX (1.5 kW Fanuc)
PLPRZ0006	71198093	Output Coupler – 1.5" x 0.315", 35.0MCC 60%R/15.0MCX (2.0 kW Fanuc)
PLRRS0007	71198088	Phase Shifter – 2.0" Dia.
PLTRS0047	71198083	Fold Mirror – Si, 2.0" Dia., 0.200" ET
PLZRS0002	71198089	Total Reflector – Si, 2.0" Dia.
Optics Cleaning		
PLOCK0008	81141003	TX404 Absorbond Optical Wipes (300 count)
Bystronic		
PLLZ0127	4-00186	5.0" FL – 1.5" Dia., ZnSe, 0.236" ET, Meniscus
PLLZ0128	4-00187	7.5" FL – 1.5" Dia., ZnSe, 0.236" ET, Meniscus
PLLZ0129	4-05094	5.0" FL – 1.5" Dia., ZnSe, 0.354" ET, Meniscus
PLLZ0130	4-05095	7.5" FL – 1.5" Dia., ZnSe, 0.354" ET, Meniscus
PLLZ0130B		7.5" FL – 1.5" Dia., ZnSe, 0.354" ET, Meniscus, Low Absorption Black Lens
Lasercut		
PLLZ0033		5.0" WD – 1.5" Dia., ZnSe, 0.280" ET
Mazak		
Lenses		
PLLZ0132	Z50ZZ000400	5.0" FL – 1.5" Dia., ZnSe, 0.300" ET
PLLZ0132B		5.0" FL – 1.5" Dia., ZnSe, 0.300" ET, Low Absorption Black Lens
PLLZ0144	Z50ZZ005160	5.0" FL – 2.0" Dia., ZnSe, 0.380" ET
PLLZ0135	Z50ZZ005200	7.5" FL – 2.0" Dia., ZnSe, 0.380" ET
PLLZ0135B		7.5" FL – 2.0" Dia., ZnSe, 0.380" ET, Low Absorption Black Lens
Mirrors & Internals		
PLRRC0006	Z50MB000040	Phase Shift Mirror – Cu, 1.5" Dia.
PLZRC0002	Z50MB000070	Total Reflector – Cu, 50 mm x 10 mm
PLZRC0007	Z50MB000060	Total Reflector – Cu, 60 mm x 10 mm
PLPRG0010	BRAL0002	Rear Mirror – 1.1" x 0.220", 20.0MCC
PLPRZ0009	BRAL0007/4L106017	Output Coupler – 1.1" x 0.220", 20.0MCC 50%R/15.0MCX
PLTRS0042	4L104184-01	Fold Mirror – Si, 1.75" Dia., 0.375" ET
Mitsubishi		
PLLZ0132	W500	5.0" FL – 1.5" Dia., ZnSe, 0.300" ET
PLLZ0132B		5.0" FL – 1.5" Dia., ZnSe, 0.300" ET, Low Absorption Black Lens
PLLZ0153		7.5" FL – 1.5" Dia., ZnSe, 0.315" ET
PLLZ0162	W505	5.0" FL – 2.0" Dia., ZnSe, 0.310" ET
PLLZ0138	W510	7.5" FL – 2.0" Dia., ZnSe, 0.310" ET
Strippit/LVD		
PLLMZ0024		5.0" FL – 2.0" Dia., ZnSe, .380" ET, Meniscus
PLLMZ0025		7.5" FL – 2.0" Dia., ZnSe, .380" ET, Meniscus
PLLMZ0025B		7.5" FL – 2.0" Dia., ZnSe, .380" ET, Meniscus, Low Absorption Black Lens
PLLZ0033		5.0" WD – 1.5" Dia., ZnSe, 0.280" ET
Trumpf		
PLLMZ0012		3.5" FL – 1.5" Dia., ZnSe, 0.291" ET, Meniscus
PLLZ0125	088114	5.0" FL – 1.5" Dia., ZnSe, 0.291" ET, Meniscus
PLLZ0125B		5.0" FL – 1.5" Dia., ZnSe, 0.291" ET, Meniscus, Low Absorption Black Lens
PLLZ0126	097517	7.5" FL – 1.5" Dia., ZnSe, 0.291" ET, Meniscus
PLLZ0126B		7.5" FL – 1.5" Dia., ZnSe, 0.291" ET, Meniscus, Low Absorption Black Lens
PLLMZ0022	141972	9.0" FL – 1.5" Dia., ZnSe, 0.291" ET, Meniscus

LM Part #	Reference #	Description
Cincinnati		
Lenses		
PLLZ0033	908085	5.0" WD – 1.5" Dia., ZnSe, 0.280" ET
PLLZ0033B		5.0" WD – 1.5" Dia., ZnSe, Low Absorption Black Lens
PLLZ0052	909484	7.5" WD – 1.5" Dia., ZnSe, 0.280" ET
PLLZ0052B		7.5" WD – 1.5" Dia., ZnSe, Low Absorption Black Lens
PLLZ0116	922377	5.0" WD – 2.0" Dia., ZnSe, 0.380" ET
PLLZ0115	922376	7.5" WD – 2.0" Dia., ZnSe, 0.380" ET
Mirrors		
Zero Phase		
PLZRS0002	907971	Total Reflector – Si, 2.0" Dia.
PLZRC0002	907464	Total Reflector – Cu, 50 mm x 10 mm
PLZRC0003	909976	Total Reflector – Cu, 2.25" Dia.
PLZRC0006	910341	Total Reflector – Cu, 3.0" Dia.
PLZRC0008	922769	Total Reflector – Cu, 2.25" Dia., Water-Cooled
Polarizers		
PLRRC0004	907463	Phase Shift Mirror – Cu, 50 mm x 10 mm
PLRRC0005	909975	Phase Shift Mirror – Cu, 2.25" Dia.
PLRRC0009	922515	Phase Shift Mirror – Cu, 2.50" Dia.
PLRRC0012	922768	Phase Shift Mirror – Cu, 2.25" Dia., Water-Cooled
Anti-Reflective Fold Mirrors		
PLIRC0006	923414	Anti-Reflective Fold Mirror – Cu, 50 mm x 10 mm
PLIRC0009	923728	Anti-Reflective Fold Mirror – Cu, 2.25" Dia.
Collimators		
PLTRC0030	920295	Collimator Input – 1.969" x 0.375", 1.737MCX
PLTRC0031	920296	Collimator Output – 1.969" x 0.375", 2.441MCC
PLTRC0060	922766	Direct-Cooled Mirror – 1.969" x 1.25", 3.00MCX
PLTRC0061	912092	Direct-Cooled Mirror – 1.969" x 1.25", 3.72MCC
PLTRC0062	923642	Direct-Cooled Mirror – 1.969" x 1.25", 3.61MCC
PLTRC0063	924551	Water-Cooled Mirror – 2.0" x 2.25", 1.87MCC
PLTRC0064	924827	Water-Cooled Mirror – 2.0" x 50 mm, 1.175MCX
Pre-Focus Lens		
PLLZ0177	922722	Pre-Focus Lens – 2.0" x 4 M x 0.236" ET
Internals		
Fold Mirrors		
PLTRC0043	909772	Fold Mirror – Cu, 2.0" Dia., 2.216" ET, Water-Cooled
PLTRS0047	922645	Fold Mirror – Si, 2.0" Dia., 0.200" ET
Rear Mirrors		
PLPRG0003	907970	Rear Mirror – 1.0" x 0.236", 15.0MCC (Rofin)
PLPRG0004	910587	Rear Mirror – 1.1" x 0.236", 20.0MCC (1.5 kW Fanuc)
PLPRG0005	911411	Rear Mirror – 1.5" x 0.315", 35.0MCC (2.0 kW Fanuc)
PLPRG0007	922644	Rear Mirror – 1.5" x 0.315", 51.6MCC (3.0 kW Fanuc)
PLPRG0009	924511	Rear Mirror – 1.5" x 0.315", 15.0MCC (4.0 kW Fanuc)
Output Couplers		
PLPRZ0003	907969	Output Coupler – 1.0" x 0.236", 30.0MCC 65%R/30.0MCX (Rofin)
PLPRZ0005	910589	Output Coupler – 1.1" x 0.236", 20.0MCC 60%R/9.00MCX (1.5 kW Fanuc)
PLPRZ0006	911410	Output Coupler – 1.5" x 0.315", 35.0MCC 60%R/15.0MCX (2.0 kW Fanuc)
PLPRZ0007	922668	Output Coupler – 1.5" x 0.315", 51.6MCC 50%R/20.0MCX (3.0 kW Fanuc D)
PLPRZ0008	924510	Output Coupler – 1.5" x 0.315", 15.0MCC 40%R/7.50MCX (4.0 kW Fanuc)
PLPRZ0010		Output Coupler – 1.5" x 0.315", 51.6MCC 50%R/25.0MCX (3.0 kW Fanuc C)
Optics Cleaning		
PLOCK0001		Optics Cleaning Kit
PLOCK0002		Optics Cleaning Tissue – Booklet (25 count)
PLOCK0003		Lens Cleaner (8 oz.)
PLOCK0005		Cotton Swabs 6" (100 count)
PLOCK0006		Optics Cleaning Tissue – Box (50 booklets)
Beam Testing		
PLACB0001	910623	Mode Burn Block – 4" x 4" x 1"
PLATK0003		Alignment Thermal Cards (10 pack)
PLPST0001		Polarized Stress Tester

Adige Sala® – Amada®

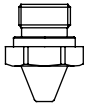
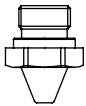
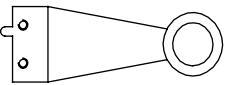
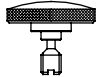
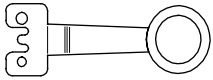


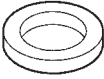
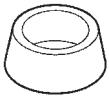
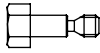

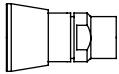
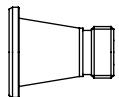
Part	LM Part #	Reference #	Description
Adige Sala®			
Nozzles			
	PLGJT0338	6930281331	Adige Sala Sombrero-Style Nozzle – 1.0 mm
	PLGJT0474	6930281351	Adige Sala Sombrero-Style Nozzle – 1.2 mm
	PLGJT0339	6930281352	Adige Sala Sombrero-Style Nozzle – 1.5 mm
	PLGJT0478	6930281353	Adige Sala Sombrero-Style Nozzle – 1.8 mm
	PLGJT0340	6930281354	Adige Sala Sombrero-Style Nozzle – 2.0 mm
	PLGJT0479	6930281591	Adige Sala Sombrero-Style Nozzle – 2.5 mm
	PLGJT0245		Adige Sala Sombrero-Style Nozzle – 3.0 mm
	PLGJT0411	6930281548	Adige Sala Conical Nozzle – 1.0 mm
	PLGJT0476	6930281549	Adige Sala Conical Nozzle – 1.2 mm
	PLGJT0412	6930281463	Adige Sala Conical Nozzle – 1.5 mm
	PLGJT0518		Adige Sala Conical Nozzle – 1.8 mm
	PLGJT0413	6930281550	Adige Sala Conical Nozzle – 2.0 mm
	PLGJT0475	6930281551	Adige Sala Conical Nozzle – 2.5 mm
	PLGJT0246		Adige Sala Conical Nozzle – 3.0 mm
Parts			
	PLPRE0002	6930281330	Adige Sala Ceramic Nozzle Holder
Amada®			
Nozzles			
	PLGJT0182		Amada Double Mushroom Nozzle – 1.2 mm
	PLGJT0183		Amada Double Mushroom Nozzle – 1.4 mm
	PLGJT0184		Amada Double Mushroom Nozzle – 2.0 mm
	PLGJT0260		Amada Double Mushroom Nozzle – 2.5 mm
	PLGJT0185		Amada Double Mushroom Nozzle – 3.0 mm
	PLGJT0186		Amada Double Mushroom Nozzle – 4.0 mm
	PLGJT0254	71461026	Amada Double Mushroom Shower Nozzle – 2.5 mm
	PLGJT0255	71461158	Amada Double Mushroom Shower Nozzle – 4.0 mm
	PLGJT0502	71369812	Amada Single-Hole Flared Mushroom Nozzle – 1.2 mm
	PLGJT0498		Amada Single-Hole Flared Mushroom Nozzle – 1.4 mm
	PLGJT0499	71369815	Amada Single-Hole Flared Mushroom Nozzle – 2.0 mm
	PLGJT0500		Amada Single-Hole Flared Mushroom Nozzle – 3.0 mm
	PLGJT0501		Amada Single-Hole Flared Mushroom Nozzle – 4.0 mm
	PLGJT0392	1664545U-10	Amada Extended Nozzle – 1.0 mm
	PLGJT0393	1664545U-15	Amada Extended Nozzle – 1.5 mm
	PLGJT0372	1664545U/71341610	Amada Extended Nozzle – 2.0 mm
	PLGJT0371	1664544U/71360142	Amada Extended Nozzle – 3.0 mm
	PLGJT0488		Amada Extended Double Nozzle – 1.0 mm
	PLGJT0489		Amada Extended Double Nozzle – 1.2 mm
	PLGJT0490	71369809	Amada Extended Double Nozzle – 1.4 mm
	PLGJT0491		Amada Extended Double Nozzle – 1.5 mm
	PLGJT0492		Amada Extended Double Nozzle – 2.0 mm
	PLGJT0493		Amada Extended Double Nozzle – 2.5 mm
	PLGJT0494		Amada Extended Double Nozzle – 3.0 mm
PLGJT0495	71341681	Amada Extended Double Nozzle – 4.0 mm	
	PLGJT0538		Amada HP-X Nozzle – 0.8 mm
	PLGJT0539		Amada HP-X Nozzle – 1.0 mm
	PLGJT0540		Amada HP-X Nozzle – 1.2 mm
	PLGJT0541	71398902	Amada HP-X Nozzle – 1.5 mm
	PLGJT0542		Amada HP-X Nozzle – 2.0 mm
	PLGJT0543		Amada HP-X Nozzle – 2.5 mm
PLGJT0544		Amada HP-X Nozzle – 3.0 mm	
	PLGJT0418	71366090-15	Amada Water-Assist Double Nozzle – 1.5 mm
	PLGJT0419	71366090-20	Amada Water-Assist Double Nozzle – 2.0 mm
	PLGJT0420	71366090-25	Amada Water-Assist Double Nozzle – 2.5 mm
	PLGJT0421	71366090-30	Amada Water-Assist Double Nozzle – 3.0 mm


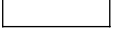
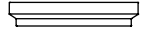
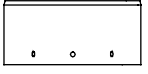
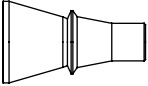
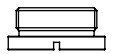
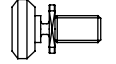



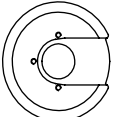
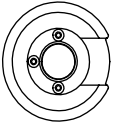

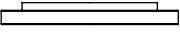
Part	LM Part #	Reference #	Description
Amada®			
Nozzles			
	PLGJT0287 PLGJT0288	62094001/71102001 62094004/71102005	Amada Nozzle – 2.0 mm Amada Nozzle – 3.0 mm
	PLGJT0289	74718816/8249301	Amada Nozzle Cap – 2.0 mm
	PLGJT0377 PLGJT0378	71101901 71101902/845735	Amada Nozzle Cap – 1.5 mm Amada Nozzle Cap – 2.0 mm
	PLGJT0379 PLGJT0380	2795/71101999 2796/71102000	Amada Clean-Cut Nozzle – 2.0 mm Amada Clean-Cut Nozzle – 1.5 mm
	PLGJT0388 PLGJT0389 PLGJT0390 PLGJT0391	650689212 650689215 650689218 650689220/74712001	Amada Nozzle Cap – 1.25 mm Amada Nozzle Cap – 1.5 mm Amada Nozzle Cap – 1.75 mm Amada Nozzle Cap – 2.0 mm
	PLGJT0396 PLGJT0397 PLGJT0376 PLGJT0398 PLGJT0398	6209400613 6209400615 62094006/1507611 6209400630/71102007 62094008	Amada Nozzle Cap – 1.3 mm Amada Nozzle Cap – 1.5 mm Amada Nozzle Cap – 2.0 mm Amada Nozzle Cap – 3.0 mm Amada Nozzle Cap – 3.0 mm
	PLGJT0187 PLGJT0188 PLGJT0189 PLGJT0190 PLGJT0191	71341515 71341515-1.75 62094005/71102006 62094005-2.5 71341515-3.0	Amada Nozzle Cap – 1.5 mm Amada Nozzle Cap – 1.75 mm Amada Nozzle Cap – 2.0 mm Amada Nozzle Cap – 2.5 mm Amada Nozzle Cap – 3.0 mm
Parts			
	PLAMA0001		Amada Tip Adapter
	PLAMA0002	71101905/841143B	Amada Outer Nozzle
	PLAMA0003	71341614	Amada Nozzle Insulating Disc VESPEL®
	PLAMA0004	71366452	Amada Outer Nozzle (Water-Assist)
	PLAMA0005	71366437	Amada Guard Ring
	PLAMA0006		Amada Guard Nut LC3015-BII

Part	LM Part #	Reference #	Description
Amada®			
Parts			
	PLAMA0007		Amada Gasket For Sensor Head
	PLAMA0008		Amada Teflon Gasket – 1.5" Lens Mount
	PLAMA0009		Amada Teflon Gasket – 2.0" Lens Mount
	PLAMA0010		Amada Head Protection Disc – 32 mm
	PLAMA0011		Amada HP-X Nozzle Shield Cup
	PLAMA0012		Amada Nozzle Adapter w/Holes
	PLAMA0013		Amada Teflon for Water-Assist Nozzles (Rigid Design)
	PLAMA0014		Amada Lens Gasket for NT
	PLCAB0196 PLCAB0203	71398293	Amada HS95 & 8 Sensor Cable – 12" (Short)
	PLFLH0112		Amada Fixed Lens Holder – 1.5" Note: Lens mounting service available
	PLFLH0113		Amada Fixed Lens Holder – 2.0" Note: Lens mounting service available
	PLFLH0114		Amada Gemini Mount Fixed Lens Holder – 2.0" (Accepts 1.5" Lenses) Note: Lens mounting service available
	PLFLH0145		Amada Fixed Lens Holder for NT – 5.0" FL Note: Lens mounting service available
	PLFLH0144		Amada Fixed Lens Holder for NT – 7.5" FL Note: Lens mounting service available

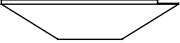

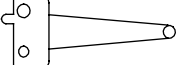
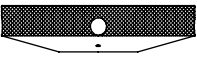
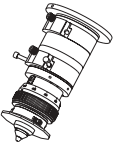

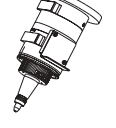



Balliu® – Behrens® – Bystronic®

Part	LM Part #	Reference #	Description
Balliu®			
Nozzles			
	PLGJT0417		Balliu Nozzle – 0.75 mm
	PLGJT0333		Balliu Nozzle – 1.0 mm
	PLGJT0334		Balliu Nozzle – 1.2 mm
	PLGJT0332		Balliu Nozzle – 1.5 mm
	PLGJT0407		Balliu Nozzle – 2.0 mm
	PLGJT0331		Balliu Nozzle – 2.5 mm
	PLGJT0330		Balliu Nozzle – 3.0 mm
Behrens®			
Nozzles			
	PLGJT0301	L60	Behrens Nozzle – 0.8 mm
	PLGJT0298	L51	Behrens Nozzle – 1.0 mm
	PLGJT0299	L52	Behrens Nozzle – 1.2 mm
	PLGJT0300	L53	Behrens Nozzle – 1.5 mm
Bystronic®			
Nozzles			
	PLGJT0366	3-04277	Bystronic HK08 Nozzle – 0.8 mm
	PLGJT0279	3-01910	Bystronic HK10 Nozzle – 1.0 mm
	PLGJT0355	3-01911	Bystronic HK12 Nozzle – 1.2 mm
	PLGJT0356	3-01912	Bystronic HK15 Nozzle – 1.5 mm
	PLGJT0357	3-01913	Bystronic HK17 Nozzle – 1.7 mm
	PLGJT0358	3-01914	Bystronic HK20 Nozzle – 2.0 mm
	PLGJT0359	3-03854/3-01915	Bystronic HK25 Nozzle – 2.5 mm
	PLGJT0367	3-06112	Bystronic HK30 Nozzle – 3.0 mm
	PLCFN0279		Bystronic Cold Formed HK10 Nozzle – 1.0 mm
	PLCFN0355		Bystronic Cold Formed HK12 Nozzle – 1.2 mm
	PLCFN0356		Bystronic Cold Formed HK15 Nozzle – 1.5 mm
	PLCFN0358		Bystronic Cold Formed HK20 Nozzle – 2.0 mm
	PLCFN0367		Bystronic Cold Formed HK30 Nozzle – 3.0 mm
		PLGJT0236	
PLGJT0237			Bystronic HK12 Nozzle – 1.2 mm (Chromed)
PLGJT0238			Bystronic HK15 Nozzle – 1.5 mm (Chromed)
PLGJT0239			Bystronic HK17 Nozzle – 1.7 mm (Chromed)
PLGJT0240			Bystronic HK20 Nozzle – 2.0 mm (Chromed)
PLGJT0241			Bystronic HK25 Nozzle – 2.5 mm (Chromed)
	PLGJT0242		Bystronic HK30 Nozzle – 3.0 mm (Chromed)
	PLGJT0247		Bystronic NK10 Double Nozzle – 1.0 mm
	PLGJT0248		Bystronic NK12 Double Nozzle – 1.2 mm
	PLGJT0249		Bystronic NK15 Double Nozzle – 1.5 mm
	PLGJT0250		Bystronic NK17 Double Nozzle – 1.7 mm
	PLGJT0251		Bystronic NK20 Double Nozzle – 2.0 mm
	PLGJT0252		Bystronic NK25 Double Nozzle – 2.5 mm
	PLGJT0253		Bystronic NK30 Double Nozzle – 3.0 mm
	PLGJT0198		Bystronic NK10 Double Nozzle – 1.0 mm (Chromed)
	PLGJT0199		Bystronic NK12 Double Nozzle – 1.2 mm (Chromed)
	PLGJT0200		Bystronic NK15 Double Nozzle – 1.5 mm (Chromed)
	PLGJT0201	3-14317	Bystronic NK17 Double Nozzle – 1.7 mm (Chromed)
	PLGJT0202	3-14318	Bystronic NK20 Double Nozzle – 2.0 mm (Chromed)
	PLGJT0203	3-14319	Bystronic NK25 Double Nozzle – 2.5 mm (Chromed)
	PLGJT0204		Bystronic NK30 Double Nozzle – 3.0 mm (Chromed)
		PLGJT0362	3-04273
PLGJT0352		3-01905	Bystronic K10 Nozzle – 1.0 mm
PLGJT0278		3-01906	Bystronic K12 Nozzle – 1.2 mm
PLGJT0353		3-01907	Bystronic K15 Nozzle – 1.5 mm
PLGJT0354		3-01908	Bystronic K17 Nozzle – 1.7 mm
PLGJT0408		3-01909	Bystronic K20 Nozzle – 2.0 mm
PLGJT0363		3-04274	Bystronic K25 Nozzle – 2.5 mm
		PLGJT0169	3-01899R
	PLGJT0170	3-01901R	Bystronic H15 Round Nozzle – 1.5 mm
	PLGJT0171	3-01903R	Bystronic H20 Round Nozzle – 2.0 mm

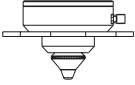




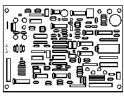
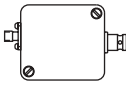



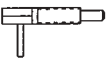

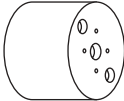
Part	LM Part #	Reference #	Description
Bystronic®			
Nozzles			
	PLGJT0360	3-04271	Bystronic 08 Nozzle – 0.8 mm
	PLGJT0343	3-01894	Bystronic 10 Nozzle – 1.0 mm
	PLGJT0344	3-01895	Bystronic 12 Nozzle – 1.2 mm
	PLGJT0345	3-01896	Bystronic 15 Nozzle – 1.5 mm
	PLGJT0346	3-01897	Bystronic 17 Nozzle – 1.7 mm
	PLGJT0347	3-01898	Bystronic 20 Nozzle – 2.0 mm
	PLGJT0361	3-04272	Bystronic 25 Nozzle – 2.5 mm
	PLGJT0364	3-04275	Bystronic H08 Nozzle – 0.8 mm
	PLGJT0282	3-01899	Bystronic H10 Nozzle – 1.0 mm
	PLGJT0348	3-01900	Bystronic H12 Nozzle – 1.2 mm
	PLGJT0349	3-01901	Bystronic H15 Nozzle – 1.5 mm
	PLGJT0350	3-01902	Bystronic H17 Nozzle – 1.7 mm
	PLGJT0351	3-01903	Bystronic H20 Nozzle – 2.0 mm
	PLGJT0365	3-04276	Bystronic H25 Nozzle – 2.5 mm
Parts			
	PLBYS0001	2-02015	Bystronic Scanner With Ring
	PLBYS0002	4-03136	Bystronic Knurled Screw
	PLBYS0003	3-05530	Bystronic Scanner
	PLBYS0004	4-03137	Bystronic Pin
	PLBYS0005	3-05497	Bystronic Nozzle Body
	PLBYS0006	4-01642	Bystronic Ceramic Insulating Disc
	PLBYS0018	4-01642OEM	Bystronic Ceramic Insulating Disc (OEM Material)
	PLBYS0007	4-01959	Bystronic Ceramic Cone
	PLBYS0017	4-01959OEM	Bystronic Ceramic Cone (OEM Material)
	PLBYS0009	4-00324	Bystronic Knurled Screw
	PLBYS0010	3827655	Bystronic Compensating Washer
	PLBYS0011	3-02291	Bystronic Nozzle Body (No Flats)
	PLBYS0012	2-08701	Bystronic Nozzle Body (External Thread)

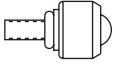


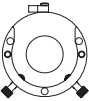
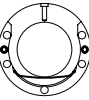
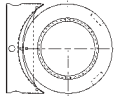
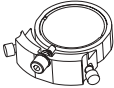
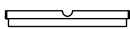
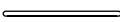

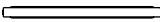



Part	LM Part #	Reference #	Description
Bystronic®			
Parts			
	PLBYS0013	2-08700	Bystronic Threaded Signboard
	PLBYS0014	4-09010	Bystronic Ceramic Insulating Ring
	PLBYS0015	3-13113	Bystronic Ceramic Insulator (New Style)
	PLBYS0016	3-13422	Bystronic Ceramic Insulator w/Holes
	PLBYS0019	2-10837	Bystronic Nozzle Body
	PLBYS0020	3-11071	Bystronic Fastening Nut
	PLBYS0021	3-09001	Bystronic Cross-Jet Screw
	PLBYS0022	4-04976	Bystronic Knurled Screw (Large)
	PLBYS0023		Bystronic Signboard Screws
	PLBYS0008	3-06035-T	Bystronic Teflon Disc
	PLBYS0024	3-06035-C	Bystronic Signboard (Thin Style)
	PLBYS0025	3-06035	Bystronic Signboard Assembly (Thin Style)
	PLBYS0026		Bystronic Signboard Screws
	PLBYS0027	3-03663-T	Bystronic Signboard Teflon (Thick Style)

Bystronic® – Cincinnati®




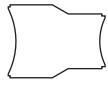
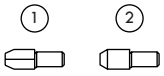


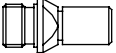
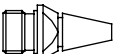
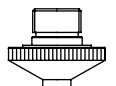
Part	LM Part #	Reference #	Description
Bystronic®			
Parts			
	PLBYS0028	3-03663-C	Bystronic Signboard (Thick Style)
	PLBYS0029	3-03663	Bystronic Signboard Assembly (Thick Style)
	PLBYS0030	2-02016	Bystronic Ball Scanner
	PLBYS0031	3-13110	Bystronic Copper Shield
Cincinnati®			
Cutting Heads			
	PLACF0153	924729	Saturn IV Non-Contact Head 5.0"/7.5" Focal Length 1.5"/2.0" Dia. Lens
	PLACF0132	923602	Saturn III Non-Contact Head 5.0"/7.5" Focal Length 1.5" Dia. Lens
	PLACF0048	909498	Standard Non-Contact Head 5.0"/7.5" Focal Length 1.5" Dia. Lens
	PLACC0089	909517	Contact Cutting Head 5.0"/7.5" Focal Length 1.5" Dia. Lens
	PLACC0467	910305	Cloth Cutter Head
Nozzles			
	PLGJT0001	908090	Contact Nozzle – 0.060" Orifice, 0.025" Stand Off
	PLGJT0031	907470	Contact Nozzle – 0.060" Orifice, 0.050" Stand Off
	PLGJT0032	907469	Contact Nozzle – 0.040" Orifice, 0.050" Stand Off
	PLGJT0095	920006	Contact Nozzle – 0.080" Orifice, 0.050" Stand Off
	PLGJT0264		Contact Nozzle – 0.100" Orifice, 0.050" Stand Off
	PLCFN0031	913184	Cold Formed Contact Nozzle – 0.060" Orifice, 0.050" Stand Off
	PLGJT0145	922464	Knurled Nozzle – 0.060"
	PLGJT0150	922465	Knurled Nozzle – 0.080"
	PLGJT0151	922770	Knurled Nozzle – 0.100"
	PLGJT0152	922771	Knurled Nozzle – 0.120"
	PLGJT0156	922772	Knurled Shower Nozzle – 0.060"

Part	LM Part #	Reference #	Description
Cincinnati®			
Nozzles			
	PLGJT0058	924635	Non-Contact Nozzle – 0.040"
	PLGJT0261		Non-Contact Nozzle – 0.050"
	PLGJT0039	909660	Non-Contact Nozzle – 0.060"
	PLGJT0098	910315	Non-Contact Nozzle – 0.080"
	PLGJT0168	924638	Non-Contact Nozzle – 0.100"
	PLGJT0138	924634	Non-Contact Nozzle – 0.120"
	PLCFN0058	913185	Cold Formed Non-Contact Nozzle – 0.040"
	PLCFN0039	913187	Cold Formed Non-Contact Nozzle – 0.060"
	PLCFN0098	913189	Cold Formed Non-Contact Nozzle – 0.080"
	PLCFN0168	913191	Cold Formed Non-Contact Nozzle – 0.100"
	PLGJT0266	923013	Shower Nozzle – 0.040"
	PLGJT0265	923014	Shower Nozzle – 0.060"
	PLGJT0514		Shower Nozzle – 0.080"
	PLGJT0256	913025	Double Nozzle – 1.0 mm
	PLGJT0257	913026	Double Nozzle – 1.5 mm
	PLGJT0258		Double Nozzle – 2.0 mm
	PLGJT0162	924636	High Capacitance Nozzle – 0.060"
	PLGJT0163	924637	High Capacitance Nozzle – 0.080"
	PLCFN0162	913188	Cold Formed High Capacitance Nozzle – 0.060"
	PLCFN0163	913190	Cold Formed High Capacitance Nozzle – 0.080"
	PLGJT0504	925127	Blunt-Nose Nozzle – 0.125" Orifice, Length 0.772"
	PLCFN0559		Cold Formed Blunt-Nose Nozzle – 0.105" Orifice, Length 0.772"
	PLCFN0504	913192	Cold Formed Blunt-Nose Nozzle – 0.125" Orifice, Length 0.772"
	PLGJT0534	912815	Blunt-Nose Nozzle – 0.160" Orifice, Length 0.722"
	PLCFN0534	913193	Cold Formed Blunt-Nose Nozzle – 0.160" Orifice, Length 0.722"
Non-Contact Parts			
	PLGJM0145	923023	Gas Jet Manifold Assembly
	PLMOR0012		Adapter Flange O-ring
	PLSCR0009	923018	Brass Tip Set Screw
	PLMSR0009	923019	Dust Wiper Seal
	PLGJM0135	909653	Gas Jet Manifold w/Composite Barrel
	PLMOR0004		Sliding Barrel O-ring
	PLSBL0016	922408	Composite Sliding Barrel
	PLTRA0051	909657	Tip Retainer Nut Assembly
	PLTRE0055	909658	Tip Retainer Extension (Long 2.357")
	PLTRE0057	909681	Tip Retainer Extension (Short 0.857")
	PLTOR0003	909664	Tip Retainer Extension O-ring (Note: Included with above)
	PLTRA0069	909659	Tip Retainer Locking Nut

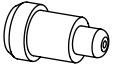
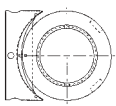
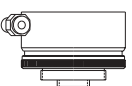
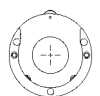
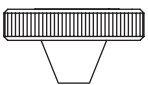
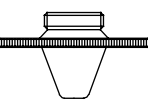
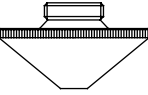
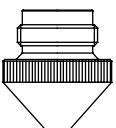

Part	LM Part #	Reference #	Description
Cincinnati®			
Non-Contact Parts			
	PLTRA0346 PLTRA0328	923257	Tip Assembly with Shield Tip Assembly without Shield
	PLTRA0320 PLSCR0015	923022 911779	Tip Retainer Assembly Nylon Screw 4-40 x .375" SHCS
	PLFRK0011 PLTOR0007 PLCON0013	923411	Field Repair Kit for PLTRA0328, PLTRA0346 Tip Assembly O-ring (Note: Included with PLFRK0011) SMA Connector Note: Connector replacement recommended when installing kit
	PLTRA0321	923021	Tip Retainer Nut – Tapered
	PLTRA0163	925284	Tip Retainer Nut for High Capacitance Nozzles
	PLHSU0006 PLCAB0177 PLCAB0004	840539 840065 841043	Height Sense Card & Transformer HSU BNC Cable – 50" HSU BNC Cable – 25'
	PLTTA0009	841836	Tip Transformer Assembly
	PLTTW0002 PLTTW0015	909654/922686 842951	Tip Transformer Wire – 4.5" Long (White) Tip Transformer Wire – 5.5" Long (Brown)
Contact Parts			
	PLGJM0110	909329	Gas Jet Manifold for Surface Follower Guard
	PLSBL0006	909366	Sliding Barrel
	PLSFL0001	910543	Replacement Locking Pin
	PLSFG0016	909368	Surface Follower Guard
	PLTRA0009 PLTRA0307	907677 920125	Tip Retainer for Surface Follower Guard Rounded Tip Retainer Nut (Cloth Cutter Head Only) Note: Includes Seal Ring

Part	LM Part #	Reference #	Description
Cincinnati®			
Common Parts			
	PLBTR001 PLBTR004	907468	Replacement Ball Transfer Replacement Ball Transfer With Lube Hole Note: Ball Transfers come prepped for installation with O-ring and Thread Sealer
	PLBTR007	909136	Pallet Ball Transfer
	PLLMB001	909360	Lens Manifold Block – Std. Cincinnati Contact/Non-Contact
	PLLMB0068	923016	Lens Manifold Block – Lever-Lock Style, Non-Contact (Saturn III) Note: Lens Manifold Block can be retrofitted to older style heads
	PLLMB0084	924745	Lens Manifold Block – Front Adjuster Lens Holders (Saturn IV)
	PLALH0034 PLALH0031	909359	Adjustable Lens Holder Adjustable Lens Holder – Carbide Disc Inserts
	PLALH0088 PLALH0089 PLAJS0015	924709 924710	Front Adjuster Lens Holder – 1.5" Dia. Front Adjuster Lens Holder – 2.0" Dia. Locking Screw – Front Adjuster Lens Holder
	PLLNR0002 PLLNR0023	909320	Lens Retainer Nut – 1.5" Dia. Lens Retainer Nut – 2.0" Dia.
	PLLSR0001 PLLSR0003	909321 922474	Lens Seal Ring – 1.5" Dia. Lens Seal Ring – 2.0" Dia.
	PLLOR0001 PLLOR0002	912778 922487	Lens O-ring – 1.5" Dia. Lens O-ring – 2.0" Dia.
	PLMSR0001 PLMSR0002	907471/909364 907472/909367	Manifold Seal Ring – 2.0" Dia. Manifold Seal Ring – 1.5" Dia.
	PLMSR0012	912777	Wedge Face Seal Ring – 2.28" Dia.
	PLVSR0001	907473/909656	Vernier Seal Ring
	PLAJS0001	908121	Lens Adjuster Screw

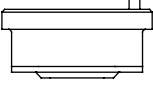


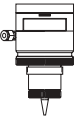
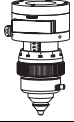
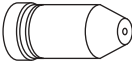
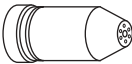
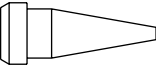
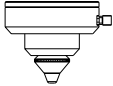

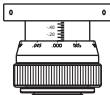
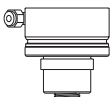
Cincinnati® – Convergent Prima®

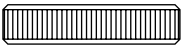


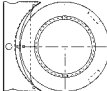





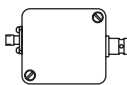
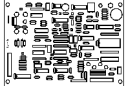

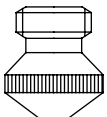
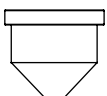
Part	LM Part #	Reference #	Description
Cincinnati®			
Common Parts			
	PLAJS0003 PLAJS0014	922481	Knurled Lens Adjuster Screw – Front Adjuster Lens Holder (1.75") Knurled Lens Adjuster Screw – Lens Manifold Block (1.0")
	PLLOC0005	922467	Lens Lever Lock
	PLLTS0001	908121	Lens Thumb Screw
	PLLIT0017	925210	1.5"/2.0" Lens Insertion Tool
	PLDLP0001 (1) PLDLP0002 (2)	909370/922470 922466	Dowel Locating Pin (Diamond) Dowel Locating Pin (Round)
	PLSBS0001 PLSBS0002	908575	Water-Cooled Spacer Seal Kit Air-Cooled Spacer Seal Kit
	PLKIT0051 PLKIT0052 PLKIT0065		Saturn III Seal Kit Saturn IV Seal Kit Standard Non-Contact Seal Kit
	PLLUB0006	922822	Non-Flammable Lubricating Oil (1 oz.)
	PLCAB0168 PLCAB0303	910007	Crash Protection Cable – 6.0" Long Crash Protection Cable – 3.312" Long
	PLFTG0046 PLFTG0047 PLFTG0058		Quick Release Fitting Adapter – M10/32 x 1/8" FNPT W/C Quick Connect Fitting Assembly – 1/8" MNPT, Straight W/C Quick Connect Fitting Assembly – 1/8" MNPT, Right Angle
Convergent Prima®			
Nozzles			
	PLGJT0422 PLGJT0394 PLGJT0472 PLGJT0470	48573.113C 48573.114C LW346.101A 48573.116C	Cylindrical Nozzle – 1.0 mm Cylindrical Nozzle – 1.5 mm Cylindrical Nozzle – 2.0 mm Cylindrical Nozzle – 2.5 mm
	PLGJT0423 PLGJT0395 PLGJT0484	48573.114A 48573.115A 48573.116A	Tapered Nozzle – 1.0 mm Tapered Nozzle – 1.5 mm Tapered Nozzle – 2.0 mm
	PLGJT0424 PLGJT0425 PLGJT0426 PLGJT0427	LW61E-111 LW61E-112 LW61E-113 LW61E-114	Flatbed Nozzle – 1.5 mm Flatbed Nozzle – 2.0 mm Flatbed Nozzle – 2.5 mm Flatbed Nozzle – 3.0 mm

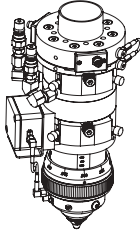
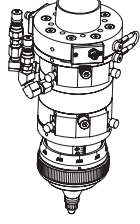
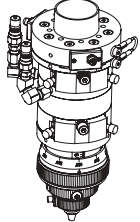
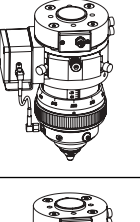
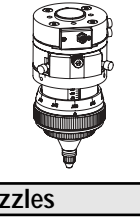
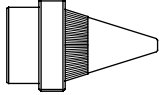
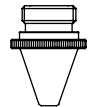
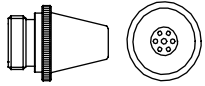
Data Technology® – Finn-Power®

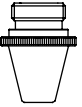
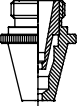
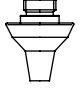
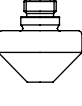

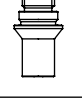
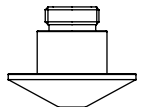
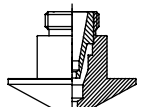
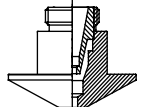
Part	LM Part #	Reference #	Description
Data Technology®			
Nozzles			
	PLGJT0001 PLGJT0095		Contact Nozzle – 0.060" Orifice, 0.025" Stand Off Contact Nozzle – 0.080" Orifice, 0.050" Stand Off
Parts			
	PLALH0034		Adjustable Lens Holder
	PLGJM0025		Gas Jet Manifold Assembly
	PLLMB0001		Lens Manifold Block
	PLSBL0009		Sliding Barrel
	PLTRA0004 PLMSR0002		Tapered Tip Retainer Nut With Seal Manifold Seal Ring – 1.5"
Finn-Power®			
Nozzles			
	PLGJT0338 PLGJT0474 PLGJT0339 PLGJT0478 PLGJT0340 PLGJT0479 PLGJT0245		Finn-Power Sombbrero-Style Nozzle – 1.0 mm Finn-Power Sombbrero-Style Nozzle – 1.2 mm Finn-Power Sombbrero-Style Nozzle – 1.5 mm Finn-Power Sombbrero-Style Nozzle – 1.8 mm Finn-Power Sombbrero-Style Nozzle – 2.0 mm Finn-Power Sombbrero-Style Nozzle – 2.5 mm Finn-Power Sombbrero-Style Nozzle – 3.0 mm
	PLGJT0411 PLGJT0476 PLGJT0412 PLGJT0518 PLGJT0413 PLGJT0475 PLGJT0246	055586	Finn-Power Conical Nozzle – 1.0 mm Finn-Power Conical Nozzle – 1.2 mm Finn-Power Conical Nozzle – 1.5 mm Finn-Power Conical Nozzle – 1.8 mm Finn-Power Conical Nozzle – 2.0 mm Finn-Power Conical Nozzle – 2.5 mm Finn-Power Conical Nozzle – 3.0 mm
	PLGJT0417 PLGJT0333 PLGJT0334 PLGJT0332 PLGJT0407 PLGJT0331 PLGJT0330		Finn-Power Nozzle – 0.75 mm Finn-Power Nozzle – 1.0 mm Finn-Power Nozzle – 1.2 mm Finn-Power Nozzle – 1.5 mm Finn-Power Nozzle – 1.5 mm Finn-Power Nozzle – 2.0 mm Finn-Power Nozzle – 2.5 mm Finn-Power Nozzle – 3.0 mm
	PLGJT0449 PLGJT0450 PLGJT0451 PLGJT0431 PLGJT0496 PLGJT0452 PLGJT0434	FP 402-380	Finn-Power Nozzle – 0.8 mm Finn-Power Nozzle – 1.0 mm Finn-Power Nozzle – 1.2 mm Finn-Power Nozzle – 1.5 mm Finn-Power Nozzle – 1.8 mm Finn-Power Nozzle – 2.0 mm Finn-Power Nozzle – 2.5 mm

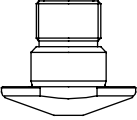
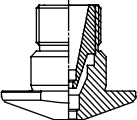
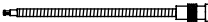
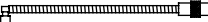
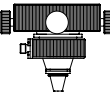
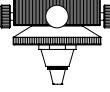

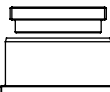


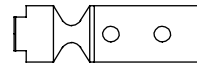
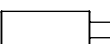
Finn-Power® – Lasercut®

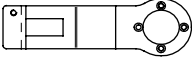
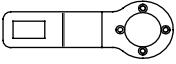

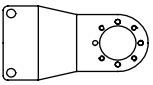
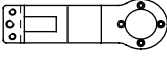



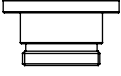




Part	LM Part #	Reference #	Description
Finn-Power®			
Parts			
	PLPRE0002		Finn-Power Ceramic Nozzle Holder
	PLPRE0003		Finn-Power Ceramic Nozzle Holder
	PLMIT0005		Finn-Power Ceramic Nozzle Holder (Pink OEM Version)
Lasercut®			
Cutting Heads			
	LASCUT06		Cutting Head Assembly
	LASCUT11		Non-Contact Cutting Head Assembly
Nozzles			
	PLGJT0058 PLGJT0039 PLGJT0098 PLGJT0286 PLGJT0138		Non-Contact Nozzle – 0.040" Non-Contact Nozzle – 0.060" Non-Contact Nozzle – 0.080" Non-Contact Nozzle – 0.100" Non-Contact Nozzle – 0.120"
	PLGJT0266 PLGJT0265		Shower Nozzle – 0.040" Shower Nozzle – 0.060"
	PLGJT0010 PLGJT0009		Lasercut Nozzle – 0.040" Lasercut Nozzle – 0.060"
Parts			
	PLTRA0328		Shielded Tip Assembly
	PLFRK0011		Field Repair Kit for PLTRA0328
	PLGJM0157		Gas Jet Manifold for LASCUT11
	PLGJM0085		Gas Jet Manifold for LASCUT06


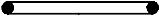
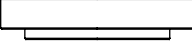
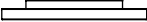


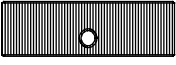

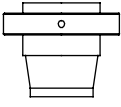
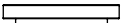
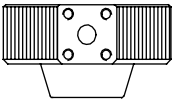

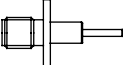
Part	LM Part #	Reference #	Description
Lasercut®			
Parts			
	PLTRA0008		Tip Retainer Nut – 2.5" Flat Copper
	PLLMB0001		Lens Manifold Block – Standard
	PLLMB0068		Lens Manifold Block – Lever Lock
	PLALH0034		Adjustable Lens Holder
	PLLRN0002		Lens Retainer Nut
	PLLSR0001		Lens Seal Ring
	PLLOR0001		Lens O-ring
	PLVSR0001		Vernier Seal Ring
	PLFTG0005		Elbow Fitting 1/4" Tube
	PLTTA0009		Tip Transformer Assembly
	PLHSU0006		Height Sense Card & Transformer
	PLCAB0175		LASCUT11 HSU Cable (Big Arm Style)
	PLTTW0002		Tip Transformer Wire
Laser Lab®			
Nozzles			
	PLGJT0176	LL01-2293	Laser Lab HP Nozzle – 0.5 mm
	PLGJT0177	LL00-2293-1.0	Laser Lab HP Nozzle – 1.0 mm
	PLGJT0178	LL00-2293	Laser Lab HP Nozzle – 1.2 mm
	PLGJT0179	LL03-2293	Laser Lab HP Nozzle – 1.5 mm
	PLGJT0180	LL03-2293-1.8	Laser Lab HP Nozzle – 1.8 mm
	PLGJT0181	LL02-2293	Laser Lab HP Nozzle – 2.0 mm
	PLGJT0462	LL-03-210T	Laser Lab Tapered Nozzle – 1.0 mm
	PLGJT0463	LL-03-212T	Laser Lab Tapered Nozzle – 1.2 mm
	PLGJT0464	LL-03-214T	Laser Lab Tapered Nozzle – 1.4 mm
	PLGJT0465	LL-03-217T	Laser Lab Tapered Nozzle – 1.7 mm
	PLGJT0466	LL-03-220T	Laser Lab Tapered Nozzle – 2.0 mm
	PLGJT0467	LL-03-224T	Laser Lab Tapered Nozzle – 2.4 mm
	PLGJT0468	LL-03-230T	Laser Lab Tapered Nozzle – 3.0 mm



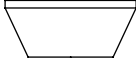
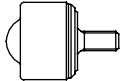
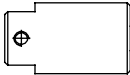
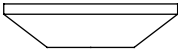



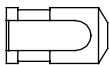


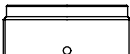
Part	LM Part #	Reference #	Description
Mazak®			
Cutting Head Upgrades			
	PLACF0159		<ul style="list-style-type: none"> - Laser Mech Capacitive HSU - Magnetic Crash Protection - Dual Lens Slots (5.0"/7.5") - Easy-To-Remove Lens Cartridges - Mazak & Stock Lenses - Repeatable X-Y Lens Centering - External Focus Adjustment - Adjustable Focus Scale Ring For Setting Focus
	PLACC0424		<ul style="list-style-type: none"> - Mazak Stylus Foot Follower - Magnetic Crash Protection - Dual Lens Slots (5.0"/7.5") - Easy-To-Remove Lens Cartridges - Mazak & Stock Lenses & Nozzles - Repeatable X-Y Lens Centering - External Focus Adjustment - Adjustable Focus Scale Ring For Setting Focus
	PLACC0417		<ul style="list-style-type: none"> - Mazak Capacitive Height Sense - Magnetic Crash Protection - Dual Lens Slots (5.0"/7.5") - Easy-To-Remove Lens Cartridges - Mazak & Stock Lenses & Nozzles - Repeatable X-Y Lens Centering - External Focus Adjustment - Adjustable Focus Scale Ring For Setting Focus
	PLACF0160		<ul style="list-style-type: none"> - Laser Mech Capacitive HSU - Magnetic Crash Protection - Single Lens Slot (5.0") - Easy-To-Remove Lens Cartridges - Mazak & Stock Lenses - Repeatable X-Y Lens Centering - External Focus Adjustment - Adjustable Focus Scale Ring For Setting Focus
	PLACC0422		<ul style="list-style-type: none"> - Mazak Stylus Foot Follower - Magnetic Crash Protection - Single Lens Slot (5.0") - Easy-To-Remove Lens Cartridges - Mazak & Stock Lenses & Nozzles - Repeatable X-Y Lens Centering - External Focus Adjustment - Adjustable Focus Scale Ring For Setting Focus
Nozzles			
	PLGJT0290 PLGJT0291 PLGJT0292	46523300060 46523300061 46523300063	Mazak Old-Style, One-Piece Nozzle – 1.0 mm Mazak Old-Style, One-Piece Nozzle – 1.5 mm Mazak Old-Style, One-Piece Nozzle – 2.0 mm
	PLGJT0234 PLGJT0482 PLGJT0483 PLGJT0487 PLCFN0234 PLCFN0482 PLCFN0483	46603350520T 46603350522T 46603350525T	Mazak Adapter Tip (Thin) – 1.2 mm Mazak Adapter Tip (Thin) – 1.5 mm Mazak Adapter Tip (Thin) – 2.0 mm Mazak Adapter Tip (Thin) – 2.5 mm Mazak Cold Formed Adapter Tip (Thin) – 1.2 mm Mazak Cold Formed Adapter Tip (Thin) – 1.5 mm Mazak Cold Formed Adapter Tip (Thin) – 2.0 mm
	PLGJT0281 PLGJT0259	46603350523	Mazak Shower Nozzle – 1.0 mm Mazak Shower Nozzle – 1.5 mm

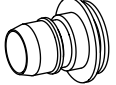
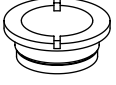


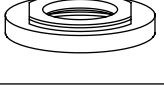

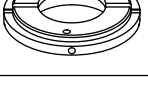
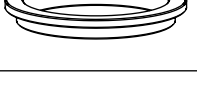

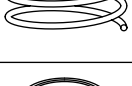



Part	LM Part #	Reference #	Description
Mazak®			
Nozzles			
	PLGJT0409	46603350508	Mazak Adapter Tip (Broad) – 0.8 mm
	PLGJT0400	46603350511	Mazak Adapter Tip (Broad) – 1.0 mm
	PLGJT0401	46603350512	Mazak Adapter Tip (Broad) – 1.2 mm
	PLGJT0280	46603350520	Mazak Adapter Tip (Broad) – 1.5 mm
	PLGJT0402	46603350517	Mazak Adapter Tip (Broad) – 1.7 mm
	PLGJT0403	46603350522	Mazak Adapter Tip (Broad) – 2.0 mm
	PLGJT0404		Mazak Adapter Tip (Broad) – 2.2 mm
	PLGJT0405	46603350525	Mazak Adapter Tip (Broad) – 2.5 mm
	PLGJT0406	46603350530	Mazak Adapter Tip (Broad) – 3.0 mm
	PLCFN0280		Mazak Cold Formed Adapter Tip (Broad) – 1.5 mm
	PLCFN0403		Mazak Cold Formed Adapter Tip (Broad) – 2.0 mm
	PLCFN0405		Mazak Cold Formed Adapter Tip (Broad) – 2.5 mm
	PLCFN0406		Mazak Cold Formed Adapter Tip (Broad) – 3.0 mm
	PLGJT0506		Mazak Chromed Double Nozzle – 1.2 mm
	PLGJT0507		Mazak Chromed Double Nozzle – 1.5 mm
	PLGJT0508		Mazak Chromed Double Nozzle – 2.0 mm
	PLGJT0509		Mazak Chromed Double Nozzle – 3.0 mm
	PLGJT0226		Mazak 3D Nozzle – 1.0 mm
	PLGJT0227		Mazak 3D Nozzle – 1.2 mm
	PLGJT0172	46713300290	Mazak 3D Nozzle – 1.5 mm
	PLGJT0228		Mazak 3D Nozzle – 1.8 mm
	PLGJT0173	46713300280	Mazak 3D Nozzle – 2.0 mm
	PLGJT0523		Mazak 3D Nozzle – 2.5 mm
	PLGJT0229		Mazak 2D Nozzle – 1.0 mm
	PLGJT0230		Mazak 2D Nozzle – 1.2 mm
	PLGJT0174	46713300310	Mazak 2D Nozzle – 1.5 mm
	PLGJT0231		Mazak 2D Nozzle – 1.8 mm
	PLGJT0175	46713300300	Mazak 2D Nozzle – 2.0 mm
	PLGJT0525		Mazak 2D Nozzle – 2.5 mm
	PLGJT0439		Mazak Tip (Conical) – 1.0 mm
	PLGJT0440		Mazak Tip (Conical) – 1.2 mm
	PLGJT0441		Mazak Tip (Conical) – 1.5 mm
	PLGJT0442		Mazak Tip (Conical) – 1.8 mm
	PLGJT0443		Mazak Tip (Conical) – 2.0 mm
		PLGJT0444	
PLGJT0445			Mazak Tip (Cylindrical) – 1.2 mm
PLGJT0446			Mazak Tip (Cylindrical) – 1.5 mm
PLGJT0447			Mazak Tip (Cylindrical) – 1.8 mm
PLGJT0448			Mazak Tip (Cylindrical) – 2.0 mm
		PLGJT0458	
	PLGJT0459	46683301950	Mazak Side Blow Nozzle – 1.5 mm
	PLGJT0460	46683301821	Mazak Side Blow Nozzle – 2.0 mm
	PLGJT0461	46683301960	Mazak Side Blow Nozzle – 2.5 mm
	PLGJT0480	46683301970	Mazak Side Blow Nozzle – 3.0 mm
	PLGJT0232		Mazak Side Blow Nozzle – 3.5 mm
	PLGJT0233		Mazak Side Blow Nozzle – 4.0 mm
	PLGJT0563		Mazak Side Blow Double Nozzle – 1.0 mm
	PLGJT0564		Mazak Side Blow Double Nozzle – 1.2 mm
	PLGJT0565		Mazak Side Blow Double Nozzle – 1.5 mm
	PLGJT0566		Mazak Side Blow Double Nozzle – 1.8 mm
	PLGJT0567		Mazak Side Blow Double Nozzle – 2.0 mm
	PLGJT0568		Mazak Side Blow Double Nozzle – 2.2 mm
	PLGJT0569		Mazak Side Blow Double Nozzle – 2.5 mm
	PLGJT0570		Mazak Side Blow Double Nozzle – 3.0 mm
	PLGJT0571		Mazak Side Blow Double Nozzle – 3.5 mm
		PLGJT0575	
PLGJT0576			Mazak Side Blow Double Nozzle (Chromed) – 2.0 mm
PLGJT0577			Mazak Side Blow Double Nozzle (Chromed) – 2.5 mm
PLGJT0578			Mazak Side Blow Double Nozzle (Chromed) – 3.0 mm

Part	LM Part #	Reference #	Description
Mazak®			
Nozzles			
	PLGJT0545 PLGJT0546 PLGJT0547 PLGJT0548 PLGJT0549 PLGJT0550 PLGJT0551	46143304450 46143304460 46143304480 46143304490 46143304500	Mazak HyperGear Nozzle – 1.2 mm Mazak HyperGear Nozzle – 1.5 mm Mazak HyperGear Nozzle – 2.0 mm Mazak HyperGear Nozzle – 2.5 mm Mazak HyperGear Nozzle – 3.0 mm Mazak HyperGear Nozzle – 3.5 mm Mazak HyperGear Nozzle – 4.0 mm
	PLGJT0552 PLGJT0553 PLGJT0554 PLGJT0555 PLGJT0556 PLGJT0557 PLGJT0558		Mazak HyperGear Double Nozzle – 1.2 mm Mazak HyperGear Double Nozzle – 1.5 mm Mazak HyperGear Double Nozzle – 2.0 mm Mazak HyperGear Double Nozzle – 2.5 mm Mazak HyperGear Double Nozzle – 3.0 mm Mazak HyperGear Double Nozzle – 3.5 mm Mazak HyperGear Double Nozzle – 4.0 mm
Parts			
	PLCAB0204 PLCAB0205	46713300100	Mazak Sensor Cable – 20.25" Long Mazak Sensor Cable – 24" Long
	PLMAZ0043 PLMAZ0061	46683301980	Mazak Sensor Connecting Cable – 11" Long Mazak Sensor Connecting Cable – 12.03" Long
	PLMAZ0008		Mazak Nozzle Body Assembly (Non-Contact)
	PLMAZ0009		Mazak Tactile Head Nozzle Assembly
	PLMAZ0071		Mazak HyperGear Nozzle Assembly
	PLMAZ0073		Mazak 2.0" Lens Mount Assembly
	PLMAZ0006	36602300230	Mazak Breakaway Bar 89 mm
	PLMAZ0007	36673300280	Mazak Breakaway Bar 60 mm
	PLMAZ0047	36572301012	Mazak Breakaway Bar 61 mm
	PLMAZ0013	46522300242	Mazak Stylus Pin


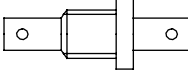
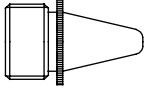
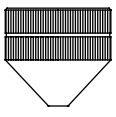
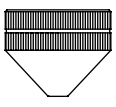
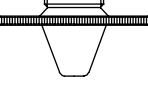
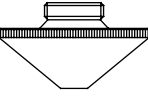

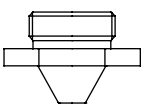
Part	LM Part #	Reference #	Description
Mazak®			
Parts			
	PLMAZ0003	36602300580	Mazak Stylus Arm w/Proxy M6
	PLMAZ0004	36682300050	Mazak Stylus Arm – Short Style
	PLMAZ0011	36602350020	Mazak Stylus Arm – High Version
	PLMAZ0012	46522300250	Mazak Stylus Arm – Pin Style
	PLMAZ0053	36682300281	Mazak Stylus Arm – M6 & M5 Screw
	PLMAZ0001 PLMAZ0002 PLMAZ0017	46572301041S 46572301041T 46572301041	Mazak 12 mm Stylus Foot – Steel Mazak 12 mm Stylus Foot – Teflon Mazak 12 mm Stylus Foot – Brass
	PLMAZ0014	46512300520	Mazak 4 mm Stylus Foot – Brass
	PLMAZ0018 PLMAZ0019 PLMAZ0020	46572301043 46572301045 46602350080	Mazak 9 mm Stylus Foot – Steel Mazak 9 mm Stylus Foot – Teflon Mazak 9 mm Stylus Foot – Brass
	PLMAZ0010	46683301110	Mazak Copper Top Bracket
	PLMAZ0015	46523300080	Mazak Centering Hub
	PLMAZ0021	46603300032	Mazak Bolt M5 x 0.5
	PLMAZ0023	46603350510	Mazak Brass Tip Adapter Body
	PLMAZ0024	46683300030	Mazak Large Retainer Nut

Part	LM Part #	Reference #	Description
Mazak®			
Parts			
	PLMAZ0025 PLMAZ0068 PLMAZ0069	46683301080 46683301080P 46683301080C	Mazak Spacer Ring – Teflon Mazak Spacer Ring – Long-Life Peek Mazak Spacer Ring – Ceramic
	PLMAZ0026	J2600504600	Mazak O-ring 31 x 2
	PLMAZ0027	46683301070	Mazak Brass Base
	PLMAZ0028 PLMAZ0066 PLMAZ0067	46683301090 46683301090P 46683301090C	Mazak Spacer Ring – Teflon Mazak Spacer Ring – Long-Life Peek Mazak Spacer Ring – Ceramic
	PLMAZ0029	46683301100	Mazak Copper Bracket
	PLMAZ0030	46683301230	Mazak Tip Adapter Tool
	PLMAZ0031	46683300930	Mazak Ring
	PLMAZ0032 PLMAZ0062 PLMAZ0063	46683301120 46683301120P 46683301120C	Mazak Spacer Ring – Teflon Mazak Spacer Ring – Long-Life Peek Mazak Spacer Ring – Ceramic
	PLMAZ0033	46683300850	Mazak Copper Nozzle Body
	PLMAZ0034 PLMAZ0064 PLMAZ0065	46683301130 46683301130P 46683301130C	Mazak Spacer Ring – Teflon Mazak Spacer Ring – Long-Life Peek Mazak Spacer Ring – Ceramic
	PLMAZ0035	46683301140	Mazak Aluminum Housing
	PLMAZ0036	46683300000	Mazak Screw M2.5
	PLMAZ0037	46683301170	Mazak Capacitance Nozzle Assembly Connector

Part	LM Part #	Reference #	Description
Mazak®			
Parts			
	PLMAZ0038	46683301150	Mazak Teflon Spacer
	PLMAZ0039	46683301160	Mazak Copper Ring
	PLMAZ0040	46683301841	Mazak Teflon Cover for Side Blow Nozzle
	PLMAZ0045 PLMAZ0072	Z21KV000580 Z21ZZ001160	Mazak Table Bearing Ball M6 Mazak Table Bearing Ball M8 (Large)
	PLMAZ0046 PLMAZ0057	46575100321 46705100050	Mazak Bearing Block – 42 mm Mazak Bearing Block – 66 mm
	PLMAZ0048 PLMAZ0070	46683301930 46683301930P	Mazak New Style Cover – Teflon Mazak New Style Cover – Long-Life Peek
	PLMAZ0049	46683301850/1851	Mazak Connector Cover
	PLMAZ0050	46683301180	Mazak Set Screw for Nozzle Body
	PLMAZ0051	46683301870	Mazak Cover Clip
	PLMAZ0052	46683301860	Mazak Cable Connector Cover
	PLMAZ0056	49270200001	Mazak Insulating Seal Ring
	PLMAZ0058	46713300321	Mazak Union Nut
	PLMAZ0059	MNI-1009	Mazak FabriGear Isolation Ring


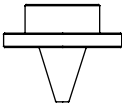
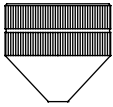
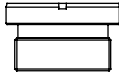
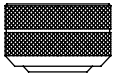

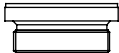
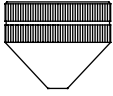
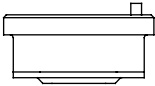

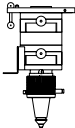
Part	LM Part #	Reference #	Description
Mazak®			
Parts			
	PLMAZ0060	36143304420	Mazak HyperGear Nozzle Holder
	PLMAZ0074	46143300280	Mazak HyperGear Cone
	PLMAZ0075	46143300270	Mazak HyperGear Ceramic Insulating Ring
	PLMAZ0076	46143300260	Mazak HyperGear Ceramic Insulating Ring
	PLMAZ0077	46143300290	Mazak HyperGear Retainer Nut
	PLMAZ0078	46143304440	Mazak HyperGear Ceramic Insulating Ring
	PLMAZ0079	46143304520	Mazak HyperGear Inner Retainer Nut
	PLMAZ0080	46143300240	Mazak HyperGear Ceramic Insulating Ring
	PLMAZ0081	36143303242	Mazak HyperGear Body
	PLMAZ0082	46143300220	Mazak HyperGear Spring
	PLMAZ0083	46143304432	Mazak HyperGear Coupler Ring
	PLMAZ0084	36143304401	Mazak HyperGear Inner Coupler
	PLMAZ0085	46143300230	Mazak HyperGear Ball Bearing

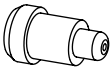
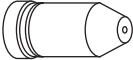
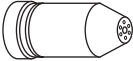
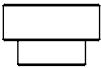
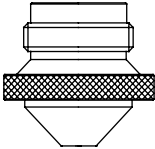

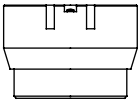
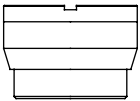
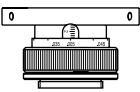


Mazak® – Messer Griesheim® – Mitsubishi®


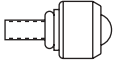
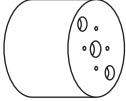



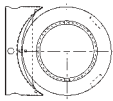


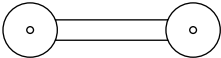
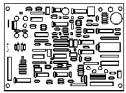
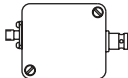

Part	LM Part #	Reference #	Description
Mazak®			
Parts			
	PLMAZ0041	46683301830	Mazak Side Blow Adapter
	PLMAZ0044	D60RA012460	Mazak Cable Adapter
Messer Griesheim®			
Nozzles			
	PLGJT0432 PLGJT0428 PLGJT0429 PLGJT0430	722-52282 722-52281 722-52192 722-52191	Messer Griesheim Nozzle – 0.8 mm Messer Griesheim Nozzle – 1.0 mm Messer Griesheim Nozzle – 1.4 mm Messer Griesheim Nozzle – 1.8 mm
Mitsubishi®			
Nozzles			
	PLGJT0469 PLGJT0486 PLGJT0221 PLGJT0497 PLGJT0222 PLGJT0223 PLGJT0224 PLGJT0225	W1249 W1256 W1250 W1251 W1252 W1253 W1254 W1255	Mitsubishi Single-Hole Shield Nozzle – 1.0 mm Mitsubishi Single-Hole Shield Nozzle – 1.2 mm Mitsubishi Single-Hole Shield Nozzle – 1.5 mm Mitsubishi Single-Hole Shield Nozzle – 2.0 mm Mitsubishi Single-Hole Shield Nozzle – 2.5 mm Mitsubishi Single-Hole Shield Nozzle – 3.0 mm Mitsubishi Single-Hole Shield Nozzle – 3.5 mm Mitsubishi Single-Hole Shield Nozzle – 4.0 mm
	PLGJT0214 PLGJT0206 PLGJT0215 PLGJT0216 PLGJT0217 PLGJT0218 PLGJT0219 PLGJT0220	W1626 W1627 W1628 W1629 W1630 W1664 W1665 W1666	Mitsubishi Shield Nozzle (Short Style) – 1.0 mm Mitsubishi Shield Nozzle (Short Style) – 1.2 mm Mitsubishi Shield Nozzle (Short Style) – 1.5 mm Mitsubishi Shield Nozzle (Short Style) – 2.0 mm Mitsubishi Shield Nozzle (Short Style) – 2.5 mm Mitsubishi Shield Nozzle (Short Style) – 3.0 mm Mitsubishi Shield Nozzle (Short Style) – 3.5 mm Mitsubishi Shield Nozzle (Short Style) – 4.0 mm
	PLGJT0338 PLGJT0474 PLGJT0339 PLGJT0478 PLGJT0340 PLGJT0479 PLGJT0245		Mitsubishi Sombrero-Style Nozzle – 1.0 mm Mitsubishi Sombrero-Style Nozzle – 1.2 mm Mitsubishi Sombrero-Style Nozzle – 1.5 mm Mitsubishi Sombrero-Style Nozzle – 1.8 mm Mitsubishi Sombrero-Style Nozzle – 2.0 mm Mitsubishi Sombrero-Style Nozzle – 2.5 mm Mitsubishi Sombrero-Style Nozzle – 3.0 mm
	PLGJT0411 PLGJT0476 PLGJT0412 PLGJT0518 PLGJT0413 PLGJT0475 PLGJT0246		Mitsubishi Conical Nozzle – 1.0 mm Mitsubishi Conical Nozzle – 1.2 mm Mitsubishi Conical Nozzle – 1.5 mm Mitsubishi Conical Nozzle – 1.8 mm Mitsubishi Conical Nozzle – 2.0 mm Mitsubishi Conical Nozzle – 2.5 mm Mitsubishi Conical Nozzle – 3.0 mm
	PLGJT0449 PLGJT0450 PLGJT0451 PLGJT0431 PLGJT0496 PLGJT0452 PLGJT0434	W222 W223 W228 W224 W225 W227	Mitsubishi Nozzle – 0.8 mm Mitsubishi Nozzle – 1.0 mm Mitsubishi Nozzle – 1.2 mm Mitsubishi Nozzle – 1.5 mm Mitsubishi Nozzle – 1.8 mm Mitsubishi Nozzle – 2.0 mm Mitsubishi Nozzle – 2.5 mm
	PLGJT0192 PLGJT0193 PLGJT0194 PLJGT0195 PLGJT0196	W001-1.0 W001 W002 W004 W003	Mitsubishi Nozzle – 1.0 mm Mitsubishi Nozzle – 1.5 mm Mitsubishi Nozzle – 2.0 mm Mitsubishi Nozzle – 2.5 mm Mitsubishi Nozzle – 3.0 mm

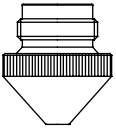
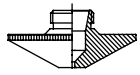
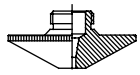
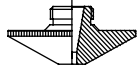
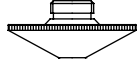
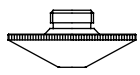





Mitsubishi® – Strippit/LVD®


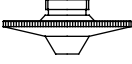
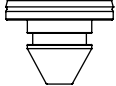
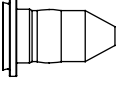




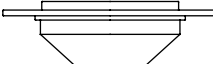

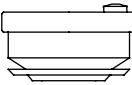

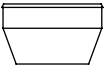


Part	LM Part #	Reference #	Description
Mitsubishi®			
Nozzles			
	PLGJT0433	W777	Mitsubishi Single-Hole Nozzle – 1.0 mm
	PLGJT0435	W266	Mitsubishi Single-Hole Nozzle – 1.5 mm
	PLGJT0436	W267	Mitsubishi Single-Hole Nozzle – 2.0 mm
	PLGJT0438	W776	Mitsubishi Single-Hole Nozzle – 2.5 mm
	PLGJT0437	W268	Mitsubishi Single-Hole Nozzle – 3.0 mm
	PLGJT0293	W390	Mitsubishi 4-Hole Nozzle
	PLGJT0294	W270	Mitsubishi 8-Hole Nozzle
	PLGJT0295	W387	Mitsubishi 12-Hole Nozzle
	PLGJT0296	W388	Mitsubishi 16-Hole Nozzle
	PLGJT0297	W515	Mitsubishi 24-Hole Nozzle
Parts			
	PLMIT0001	W269	Mitsubishi Nozzle Shield Cup – Multi Hole
	PLMIT0002	W830	Mitsubishi Insulator Insert P-2HD
	PLMIT0003	W263	Mitsubishi Nozzle Retaining Nut
	PLMIT0005	W149	Mitsubishi Ceramic Nozzle Holder (Pink OEM Version)
	PLMIT0006		Mitsubishi Short Insulator Insert For LV PHP
	PLMIT0007		Mitsubishi Nozzle Shield Cup – Multi Hole (Short)
	PLPRE0002		Mitsubishi Ceramic Nozzle Holder
	PLCAB0173		Mitsubishi BNC Sensor Cable – 60"
Strippit/LVD®			
Cutting Heads			
	PLACC0303		Contact Cutting Head Assembly
	PLACF0086		Non-Contact Cutting Head Assembly





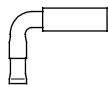
Part	LM Part #	Reference #	Description
Strippit/LVD®			
Nozzles			
	PLGJT0001 PLGJT0031 PLGJT0032 PLGJT0095 PLGJT0264		Contact Nozzle – 0.060" Orifice, 0.025" Stand Off Contact Nozzle – 0.060" Orifice, 0.050" Stand Off Contact Nozzle – 0.040" Orifice, 0.050" Stand Off Contact Nozzle – 0.080" Orifice, 0.050" Stand Off Contact Nozzle – 0.100" Orifice, 0.050" Stand Off
	PLGJT0058 PLGJT0039 PLGJT0098 PLGJT0286 PLGJT0138	1001-019-000 1001-020-000	Non-Contact Nozzle – 0.040" Non-Contact Nozzle – 0.060" Non-Contact Nozzle – 0.080" Non-Contact Nozzle – 0.100" Non-Contact Nozzle – 0.120"
	PLGJT0266 PLGJT0265 PLGJT0514		Shower Nozzle – 0.040" Shower Nozzle – 0.060" Shower Nozzle – 0.080"
	PLGJT0457 PLGJT0455 PLGJT0456	106054-000 106054-050 106054-100	Strippit Flat Disc Nozzle – 1.0 mm Strippit Flat Disc Nozzle – 1.5 mm Strippit Flat Disc Nozzle – 2.0 mm
	PLGJT0386 PLGJT0243 PLGJT0381 PLGJT0235 PLGJT0382 PLGJT0262 PLGJT0244 PLGJT0383 PLGJT0384 PLGJT0385 PLGJT0387 PLGJT0263	D7945470 D5241982 D7945434 D7945452 D7945517 D5241862 D5241855 D5241856 D5241857 D5241877 D5241878	LVD Nozzle – 1.0 mm Std. LVD Nozzle – 1.2 mm Std. LVD Nozzle – 1.5 mm Std. LVD Nozzle – 2.0 mm Std. LVD Nozzle – 2.5 mm Std. LVD Nozzle – 3.0 mm Std. LVD Nozzle – 1.5 mm HP LVD Nozzle – 2.0 mm HP LVD Nozzle – 2.5 mm HP LVD Nozzle – 3.0 mm HP LVD Nozzle – 3.5 mm HP LVD Nozzle – 4.0 mm HP
Parts			
	PLMAZ0056		LVD Insulating Seal Ring
	PLPRE0001		LVD Nozzle Holder
	PLPRE0003	291-00106	LVD Ceramic Nozzle Holder
	PLGJM0133		Gas Jet Manifold (Non-Contact Head)
	PLGJM0121		Gas Jet Manifold (Contact Head) (Includes Surface Follower Guard For PLACC0303)
	PLTRA0331		Tip Retainer Assembly – Air-Cooled

Part	LM Part #	Reference #	Description
Strippit/LVD®			
Parts			
	PLSFG0019		Surface Follower Guard (Includes Surface Roller Balls)
	PLBTR0001 PLBTR0004		Replacement Ball Transfer Replacement Ball Transfer With Lube Hole Note: Ball Transfers come prepped for installation with O-ring and Thread Sealer
	PLTRA0009		Tip Retainer For Surface Follower Guard Note: Includes Seal Ring
	PLTRA0321		Tip Retainer Nut – Tapered
	PLLMB0010		Lens Manifold Block – Standard
	PLLMB0068		Lens Manifold Block – Lever-Lock Style, Non-Contact Note: Lens Manifold Block can be retrofitted to older style heads
	PLALH0031		Adjustable Lens Holder – Carbide Disc Inserts
	PLLRN0002		Lens Retainer Nut
	PLLTS0002		Strippit Lens Thumb Screw Lock Nut
	PLRDB0001		Retaining Dumbbell
	PLHSU0006		Height Sense Card (Includes Tip Transformer)
	PLTTA0009		Tip Transformer Assembly
	PLTTW0002		Tip Transformer Wire – 4.5" Long

Part	LM Part #	Reference #	Description
Tanaka®			
Nozzles			
	PLGJT0417		Tanaka Nozzle – 0.75 mm
	PLGJT0333		Tanaka Nozzle – 1.0 mm
	PLGJT0334		Tanaka Nozzle – 1.2 mm
	PLGJT0332		Tanaka Nozzle – 1.5 mm
	PLGJT0407		Tanaka Nozzle – 2.0 mm
	PLGJT0331		Tanaka Nozzle – 2.5 mm
	PLGJT0330		Tanaka Nozzle – 3.0 mm
Trumpf®			
Nozzles			
	PLGJT0305	124561	Trumpf Nozzle – 0.8 mm STD
	PLGJT0306	124562	Trumpf Nozzle – 1.0 mm STD
	PLGJT0513	966809	Trumpf Nozzle – 1.2 mm STD
	PLGJT0327	237500	Trumpf Nozzle – 1.5 mm STD
	PLGJT0329	237503	Trumpf Nozzle – 2.0 mm STD
	PLGJT0307	124565	Trumpf Nozzle – 3.0 mm STD
	PLGJT0477	237504	Trumpf Nozzle – 3.0 mm STD
	PLCFN0306		Cold Formed Trumpf Nozzle – 1.0 mm STD
		PLGJT0326	237497
	PLGJT0342	237497-S	Trumpf Nozzle – 1.4 mm HP (Tapered)
	PLGJT0328	237501	Trumpf Nozzle – 1.7 mm HP
	PLGJT0308	126933	Trumpf Nozzle – 2.3 mm HP
	PLGJT0516	942742	Trumpf Nozzle – 2.7 mm HP
	PLGJT0517	237504-S	Trumpf Nozzle – 3.0 mm HP
	PLGJT0205	237872	Trumpf Shower Nozzle – 0.8 mm
	PLGJT0207	352280	Trumpf Chromed Nozzle – 0.8 mm STD
	PLGJT0208	352281	Trumpf Chromed Nozzle – 1.0 mm STD
	PLGJT0209	352282	Trumpf Chromed Nozzle – 1.2 mm STD
	PLGJT0210	352283	Trumpf Chromed Nozzle – 1.4 mm HP
	PLGJT0211	352284	Trumpf Chromed Nozzle – 1.7 mm HP
	PLGJT0212	352285	Trumpf Chromed Nozzle – 2.3 mm HP
	PLGJT0213	352286	Trumpf Chromed Nozzle – 2.7 mm HP
	PLGJT0313	212334	Trumpf Hexagon Heavy-Duty Tapered Nozzle – 1.0 mm STD
	PLGJT0316	216199	Trumpf Hexagon Heavy-Duty Tapered Nozzle – 1.4 mm HP
	PLGJT0321	225213	Trumpf Hexagon Heavy-Duty Tapered Nozzle – 1.7 mm HP
	PLGJT0579	126156	Trumpf Hexagon Heavy-Duty Tapered Nozzle – 2.3 mm HP
	PLGJT0325	237364	Trumpf Hexagon Heavy-Duty Tapered Shower Nozzle – 1.0 mm
	PLGJT0322	226939	Trumpf Hexagon Tapered Nozzle – 1.0 mm STD
	PLGJT0323	226940	Trumpf Hexagon Tapered Nozzle – 1.4 mm HP
	PLGJT0324	227144	Trumpf Hexagon Tapered Nozzle – 1.7 mm HP
	PLGJT0582		Trumpf Hexagon Flared Nozzle – 1.0 mm STD
	PLGJT0374		Trumpf Hexagon Flared Nozzle – 1.0 mm HP
	PLGJT0283		Trumpf Hexagon Flared Nozzle – 1.4 mm HP
	PLGJT0375		Trumpf Hexagon Flared Nozzle – 1.7 mm HP
	PLGJT0512	135320	Trumpf Round Knurled Flared Nozzle – 1.0 mm STD
	PLGJT0309	135318	Trumpf Round Knurled Flared Nozzle – 1.4 mm HP
	PLGJT0473	126157	Trumpf Round Knurled Flared Nozzle – 1.7 mm HP
	PLGJT0581	913801	Trumpf Round Knurled Thin Nozzle – 1.4 mm HP

Part	LM Part #	Reference #	Description
Trumpf®			
Nozzles			
	PLGJT0303 PLGJT0320	088893 221781	Trumpf Thick Sheet Nozzle – 1.5 mm Trumpf Thick Sheet Nozzle – 2.0 mm
	PLGJT0315 PLGJT0302 PLGJT0304 PLGJT0317	215780 087658 088894 217867-S	Trumpf Nozzle – 0.8 mm STD Trumpf Nozzle – 1.0 mm STD Trumpf Nozzle – 1.4 mm HP Trumpf Nozzle – 1.7 mm HP
	PLGJT0310 PLGJT0319 PLGJT0311 PLGJT0318	202952 218969 209402 217953	Trumpf Punch Press Nozzle – 0.8 mm Trumpf Punch Press Nozzle – 1.0 mm Trumpf Punch Press Nozzle – 1.4 mm HP Trumpf Punch Press Nozzle – 1.7 mm HP
	PLGJT0368 PLGJT0369 PLGJT0370 PLGJT0312 PLGJT0314	060653-08 060653-10 060653-14 211127 212409	Trumpf TC 300 Nozzle – 0.8 mm Trumpf TC 300 Nozzle – 1.0 mm Trumpf TC 300 Nozzle – 1.4 mm Trumpf TC 300 Nozzle – 1.4 mm HP Trumpf TC 300 Nozzle – 1.7 mm HP
	PLGJT0373 PLGJT0341		Trumpf Tapered Nozzle – 0.8 mm Trumpf Tapered Nozzle – 1.0 mm
	PLGJT0510	778550	Trumpf YAG Nozzle – 1.2 mm
Parts			
	PLPRE0005		Trumpf Ceramic Nozzle Holder
	PLTRU0001	234485	Trumpf Breakaway Ring
	PLTRU0003	216065	Trumpf Teflon Cover
	PLTRU0004	225286	Trumpf Teflon Cover
	PLTRU0005	243839/258809	Trumpf Ceramic Nozzle Holder (Small)
	PLTRU0006	260432/254493	Trumpf Ceramic Nozzle Holder (Large)
	PLTRU0007 PLTRU0012	256153 0955826	Trumpf Teflon Cover (White) Trumpf Teflon Cover (Black)

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Part	LM Part #	Reference #	Description
Trumpf®			
Parts			
	PLTRU0008	254496	Trumpf Teflon Cover
	PLTRU0009	092405	Trumpf Ceramic Nozzle Holder
	PLTRU0010	233758	Trumpf Retainer Ring (Hard-Coat Aluminum)
	PLTRU0011	936678	Trumpf Ceramic Nozzle Holder (Tube Cutter)
	PLBNZ0001	256184	Trumpf Blower Nozzle
	PLBNZ0002	088557	Trumpf 90° Blower Nozzle

Educational Training Manual



Using a CO₂ Laser In The Shop: A handbook for installation, use, and maintenance

This comprehensive guide from FMA was written for managers and operators seeking instructions in laser fabrication and machining. Author David Marusa designed it to complement manufacturer's information and training, as well as to help anyone who plans to purchase a CO₂ laser and wants the installation and operation to proceed smoothly. This book is an excellent tool for bringing laser personnel up to speed quickly. It's spiral-bound, so you can keep it near your machine as a handy reference.

PLHDB0001

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COLD FORMED LASER NOZZLES[†]

Precision Manufacturing Delivers Superior Performance

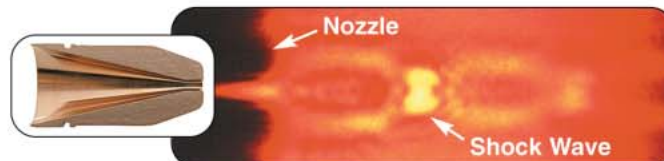


Cold formed nozzles are available for all leading laser cutters.

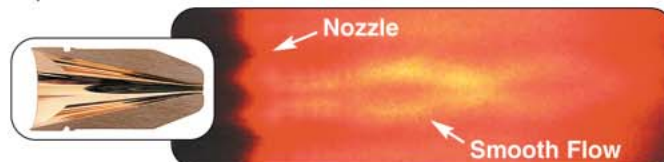
For nearly a quarter century the material processing industry has turned to Laser Mechanisms for the latest in technological innovations. Today we extend that market leadership with the introduction of our exclusive Cold Formed Laser Nozzles[†]. A highly precise and efficient manufacturing process, cold forming creates a virtually error-free internal surface with less production waste than traditional screw machine manufacturing. This results in the finest quality laser nozzles at today's competitive market prices.

- Cold forming creates an even, continuous surface free of discontinuities for true, directed gas flow
- Cold formed interior geometries, and external profiles diamond machined to finished form
- Manufactured with 100 percent oxygen-free copper with better than 99.5 percent reflectivity
- Mirrored interior finish presents much less surface area – reducing the rate of oxidation or tarnish buildup
- Cold Formed Laser Nozzles[†] produce smoother edge quality with less exit cross

ULTRA-SMOOTH GAS FLOW



Schlieren image showing density gradients clearly identifies a Mach Disc (shock wave) present in the gas flow as it exits from a traditionally manufactured laser nozzle.



A Schlieren image of the gas flow as it exits from the same style nozzle, but manufactured using cold forming, shows clean, non-interrupted gas flow.

MIRROR FINISH



Laser nozzles manufactured using cold forming have a smooth, mirror-like finish for clean, non-interrupted gas flow.



Traditional manufacturing leaves imperfections on the internal surfaces of the nozzle resulting in turbulent gas flow.

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Laser Beam Diagnostics

Laser Mech RPS now offers beam analysis equipment for diagnosing and monitoring high-power laser beams — readings at focus for laser cutting applications or twin-spot welding; scrap reduction with scheduled beam monitoring; detect optical or system degradation with fast and reliable power readings.



FocusMonitor

- Automatic measurement of beams up to 30 MW/cm² for accurate analysis of focus characteristics
- Establish working baselines to monitor and diagnose your process for increased production efficiencies
- Fast setup and easy-to-use software



BeamMonitor

- Monitor the condition of a laser output mirror to avoid failure and maintain beam consistency
- View mode changes or beam wander with rapid beam monitoring
- Analyzes raw beams up to 100 mm in-line without beam splitters, relay optics or performing hardware modifications



PowerMonitor

- Measure beams up to 25 kW with better than two percent accuracy and better than one percent reproducibility
- High absorption design allows placement directly in the path of an unfocused beam while avoiding any radiation leakage
- User-friendly computer interface



PocketMonitor

- Provides portable power readings up to 15 kW
- LCD readout in watts with four percent accuracy
- 10 or 20 second measurement times
- Low cost yet ruggedly designed

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