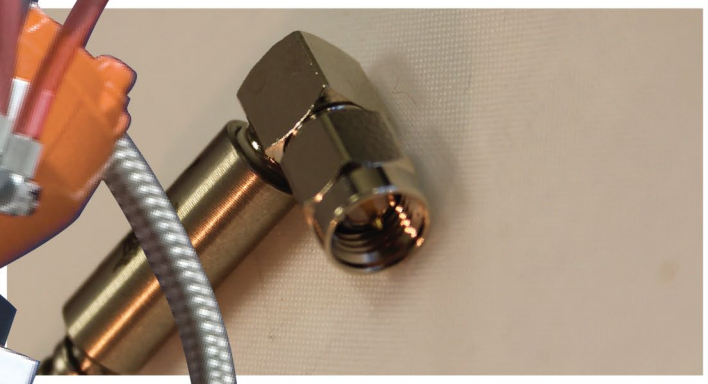
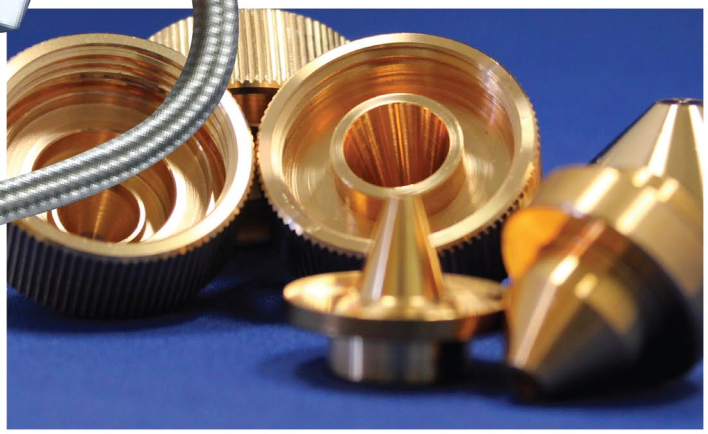
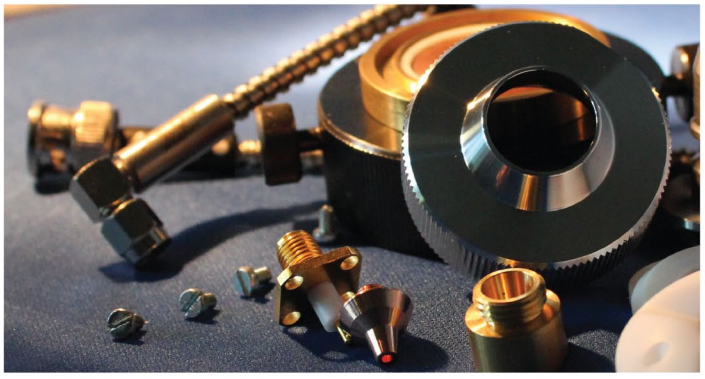






American

LASER ENTERPRISES, LLC.

American Laser Enterprises
PO Box 309
Novi, MI 48376

28221 Beck Road, Unit A-4
Wixom, MI 48393

Phone: 248-449-3714
Fax: 248-449-7631
www.a-l-e.net

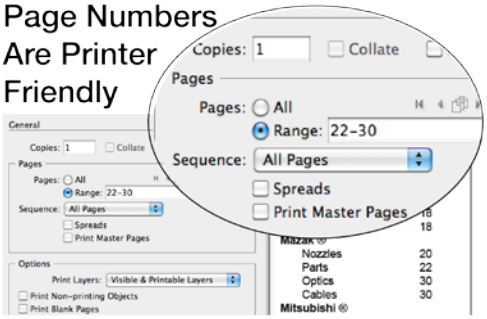
ALE stocks **thousands** of the parts you need to keep your beam delivery system maintained and operating at its **peak performance**. **Call** today and speak to our knowledgable representatives about the advantages of partnering with **American Laser Enterprises** for all of your laser processing component parts needs.

Prices and product availability subject to change without notice. Call for current prices. Not responsible for photographic or typographical errors. American Laser Enterprises, LLC is not liable under any legal theory for consequential or incidental damages arising from shipping delays or expense arising from product malfunction or defect. American Laser Enterprises, LLC warrants mechanical parts against defects in material and workmanship for a period of 30 days from the original invoice ship date. During th warranty period, American Laser Enterprises, LLC, at its option, will either repair or replace mechanical parts that prove to be defective. While our optics are manufactured to the highest quality standards, American Laser Enterprises, LLC does not warrant optics due to their fragile nature. The warranty set forth is exclusive and no other warranty, whether written or oral, is expressed or implied. American Laser Enterprises, LLC specifically disclaims any implied warranties, including any implied fitness for a particular purpose. If items purchased are for the purpose of export, purchaser mutt obtain from the Federal Government any necessary export documentation before shipping to a foreign country.American Laser Enterprises is in no way affiliated with the companies listed in this catalog. Some parts advertised for sale are not genuine manufacturer replacement parts, but are parts made for and by American Laser Enterprises, LLC. Reference to manufacturer's machines, components and numbers are for your convenience only. We reserve the right to substitute genuine manufacturer parts in place of American Laser Enterprises, LLC parts. Corporate names and trademarks stated herein are the property of their respective companies.

Contents: Quick Reference

Section	Page
Amada ®	
Nozzles	6
Parts	9
Optics	11
Cables	11
Bystronic ®	
Nozzles	12
Parts	13
Optics	15
Cincinnati ®	
Nozzles	16
Parts	17
Cables	19
Optics	19
Mazak ®	
Nozzles	20
Parts	22
Optics	30
Cables	30
Mitsubishi ®	
Nozzles	31
Parts	32
Optics	32
Precitec ®	
Nozzles	33
Trumpf ®	
Nozzles	35
Parts	38
Optics	39
Optics	40
Cables	42

Page Numbers Are Printer Friendly



Pg. 27

Mazak Hypergear Torch Assembly and Individual Components

Optics Care and More

Pg. 41

Armordillo™ Custom Cable Ordering Guide

Pg 44

American Laser Enterprises is in no way affiliated with the companies listed in this catalog. Corporate names and trademarks stated herein are the property of their respective companies.

Don't Buy New!

Call and ask about Repair Services

Even if it looks like a hand grenade went off right under your machine, call us and ask about how much you can save with a repair made by ALE laser process experts. Feel confident you're getting the most competitive rates in the industry. ALE repair services offers the opportunity to increase your uptime and lower your replacement costs.

American
LASER ENTERPRISES, LLC.

P: 248-449-3714
F: 248-449-7631
www.a-l-e.net

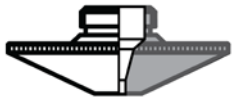
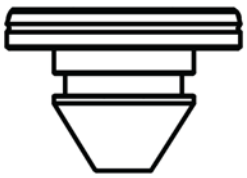
28221 Beck road, Unit A-4 • Wixom, MI • 48393

Cutting Edge Custom Laser Solutions

American
LASER ENTERPRISES, LLC.

Let the experts at American Laser Enterprises help you design and build a solution based on your laser processing application needs. Standardize and hand select consumables and spares to maximize efficiency, and count on 100% Made in USA quality.

Nozzles Trumpf®

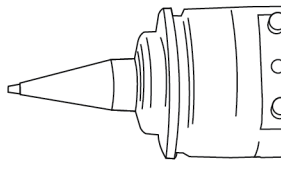
Part	Part No.	OEM No.	Description
	100099 100100 100456 100121 100101	124561 124562 966809 237500 124565	Trumpf Nozzle 0.8mm - STD Trumpf Nozzle 1.0mm - STD Trumpf Nozzle 1.2mm - STD Trumpf Nozzle 1.5mm - STD Trumpf Nozzle 3.0mm - STD
	100136 100122 100123 100102	237497-S 237501 237503 126933	Trumpf Nozzle 1.4mm - HD Trumpf Nozzle 1.7mm - HD Trumpf Nozzle 2.0mm - HD Trumpf Nozzle 2.3mm - HD
	100120	237497	Trumpf Nozzle 1.4mm - Special HD
	100390 100391 100392	352280 352281 352282	Trumpf Nozzle 0.8mm - STD CP Trumpf Nozzle 1.0mm - STD CP Trumpf Nozzle 1.2mm - STD CP
	100385 100386 100387	352283 352284 352285	Trumpf Nozzle 1.4mm - HD CP Trumpf Nozzle 1.7mm - HD CP Trumpf Nozzle 2.3mm - HD CP
	100097 100114	088893 221781	Trumpf Nozzle 1.5mm - Thick Sheet Trumpf Nozzle 2.0mm - Thick Sheet
	100109 100096 100098 100111	215780 087658 088894 217867-5	Trumpf Nozzle 0.8mm - STD Trumpf Nozzle 1.0mm - STD Trumpf Nozzle 1.4mm - HD Trumpf Nozzle 1.7mm - HD
	100104 100113 100105 100112	202952 218969 209402 217953	Trumpf Nozzle 0.8mm Trumpf Nozzle 1.0mm Trumpf Nozzle 1.4mm - HD Trumpf Nozzle 1.7mm - HD

CP = Chrome Plated • HD = Tapered • STD = Standard

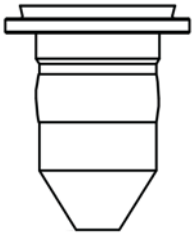
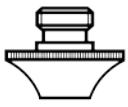
American Laser Enterprises, LLC. is in no way affiliated with TRUMPF®. The parts advertised are not genuine TRUMPF® parts, but made for and by American Laser Enterprises, LLC. References to TRUMPF® machines and parts are for your convenience only. Corporate names and trademarks stated herein are the property of their respective companies.

sales@a-l-e.net
P:248 449 3714
F:248 449 7631
www.a-l-e.net

Contact Us



Nozzles Trumpf®

Part	Part No.	OEM No.	Description
	100107 100110 100115 100455	212334 216199 225213 126156	Trumpf Nozzle 1.0mm Trumpf Nozzle 1.4mm Trumpf Nozzle 1.7mm Trumpf Nozzle 2.3mm
	100116 100117 100118	226939 226940 227144	Trumpf Nozzle 1.0mm Trumpf Nozzle 1.4mm Trumpf Nozzle 1.7mm
	100162 100163 100164	060653-08 060653-10 060653-14	Trumpf Nozzle 0.8mm Trumpf Nozzle 1.0mm Trumpf Nozzle 1.4mm
	100402 100403 100404	135320 135318 126157	Trumpf Nozzle 1.0mm - Knurled Flared Trumpf Nozzle 1.4mm - Knurled Flared Trumpf Nozzle 1.7mm - Knurled Flared
	100168 100103 100261	135320 135318 126157	Trumpf Nozzle 1.0mm - Hex Flared Trumpf Nozzle 1.4mm - Hex Flared Trumpf Nozzle 1.7mm - Hex Flared
	100107 100110 100115 100455 100119	212334 216199 225213 126156 237364	Trumpf Nozzle 1.0mm - Hex Tapered STD Trumpf Nozzle 1.4mm - Hex Tapered HD Trumpf Nozzle 1.7mm - Hex Tapered HD Trumpf Nozzle 2.3mm - Hex Tapered HD Trumpf Nozzle 1.0mm - Hex Tapered Shower
	100405	913803	Trumpf Nozzle 2.3mm

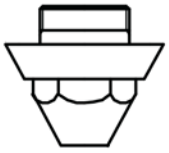
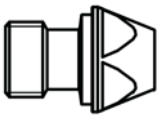
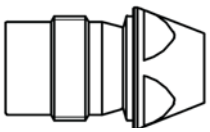
CP = Chrome Plated • HD = Tapered • STD = Standard

American Laser Enterprises, LLC. is in no way affiliated with TRUMPF®. The parts advertised are not genuine TRUMPF® parts, but made for and by American Laser Enterprises, LLC. References to TRUMPF® machines and parts are for your convenience only. Corporate names and trademarks stated herein are the property of their respective companies.

Contact Us
sales@a-l-e.net
P:248 449 3714
F:248 449 7631
www.a-l-e.net

American LASER ENTERPRISES, LLC.

Nozzles Trumpf®

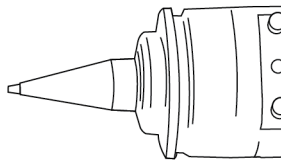
Part	Part No.	OEM No.	Description
	100406 100407 100408 100409 100410	913799 913800 913801 937988 937989	Trumpf Nozzle 0.8mm - TLC (HD) Trumpf Nozzle 1.0mm - TLC (HD) Trumpf Nozzle 1.4mm - TLC (HD) Trumpf Nozzle 1.7mm - TLC (HD) Trumpf Nozzle 2.3mm - TLC (HD)
	100119	237364	Trumpf Nozzle 1.0mm - Shower
	100548 100549		Trumpf Nozzle 2.3mm HD H=4 Trumpf Nozzle 2.3mm HD H=3.5
	100550	932530	Trumpf Nozzle 4.5mm - CP
	100551	924947	Trumpf Welding Nozzle M10
	100552	220783	Trumpf Welding Nozzle M18

CP = Chrome Plated • HD = Tapered • STD = Standard

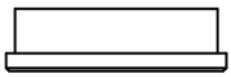
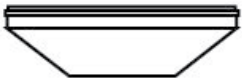
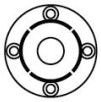
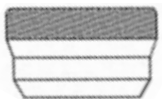
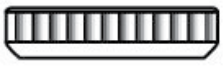
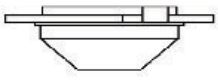
American Laser Enterprises, LLC. is in no way affiliated with TRUMPF®. The parts advertised are not genuine TRUMPF® parts, but made for and by American Laser Enterprises, LLC. References to TRUMPF® machines and parts are for your convenience only. Corporate names and trademarks stated herein are the property of their respective companies.

sales@a-l-e.net
P:248 449 3714
F:248 449 7631
www.a-l-e.net

Contact Us



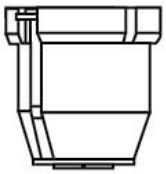
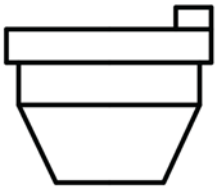
Parts Trumpf®

Part	Part No.	OEM No.	Description
	200475		Trumpf Stylus Foot
	200476	216086	Trumpf Stylus Foot
	060024	225286	Trumpf Teflon Cover
	060029	254496	Trumpf Teflon Cover
	060028	256153	Trumpf Teflon Cover
	200160	234485	Trumpf Break Away Ring
	130104	913965	Trumpf Retainer Nut
	160040	216066	Trumpf Lock Nut
	060025	243839 / 258809	Trumpf Ceramic Nozzle Holder - Small
	060023	216065	Trumpf Teflon Cover

American Laser Enterprises, LLC. is in no way affiliated with TRUMPF®. The parts advertised are not genuine TRUMPF® parts, but made for and by American Laser Enterprises, LLC. References to TRUMPF® machines and parts are for your convenience only. Corporate names and trademarks stated herein are the property of their respective companies.

Contact Us
sales@a-l-e.net
P:248 449 3714
F:248 449 7631
www.a-l-e.net

Parts Trumpf®

Part	Part No.	OEM No.	Description
	060044 060027	092405 260432 / 254493	Trumpf Ceramic Nozzle Holder Trumpf Ceramic Nozzle Holder - Large
	060051	0936678	Trumpf Ceramic Nozzle Holder

Standard Focusing Lenses and Optics

Optics **Trumpf®**

Part No.	OEM No.	Description
110109	088114	Lens D1.5 - f5.0 - .291ET - Meniscus
110110	097517	Lens D1.5 - f7.5 - .291ET - Meniscus

American Laser Enterprises, LLC. is in no way affiliated with TRUMPF®. The parts advertised are not genuine TRUMPF® parts, but made for and by American Laser Enterprises, LLC. References to TRUMPF® machines and parts are for your convenience only. Corporate names and trademarks stated herein are the property of their respective companies.

Optics

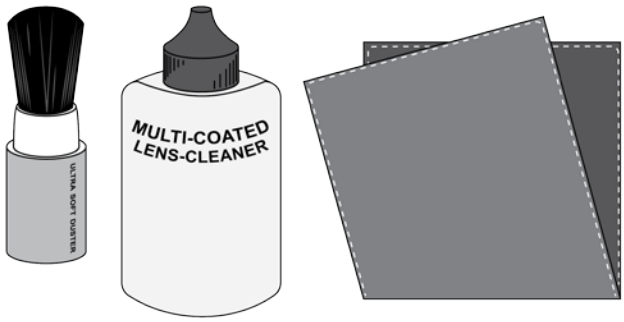
Part No.	OEM No.	Description
		Amada
110115	81140303	Lens D1.1 - f5.0 - .235ET - Unmounted
110116	81140305	Lens D1.5 - f5.0 - .300ET - Unmounted
110117	81140306	Lens D1.5 - f5.0 - .300ET - Mounted
110125	81140307	Lens D2.0 - f5.0 - .380ET - Unmounted
110186	81140400	Lens D1.5 - f7.5 - .300ET - Mounted
110127	81140186	Lens D2.0 - f7.5 - .300ET - Mounted
		Bystronic
110111	4-00186	Lens D1.5 - f5.0 - .236ET - Meniscus
110112	4-00187	Lens D1.5 - f7.5 - .236ET - Meniscus
110113	4-05094	Lens D1.5 - f5.0 - .350ET - Meniscus
110114	4-05095	Lens D1.5 - f7.5 - .350ET - Meniscus
		Cincinnati
110092	908085	Lens D1.5 - WD5.13 - .280ET
110096	909484	Lens D1.5 - WD7.63 - .300ET
		Mazak
110116	Z50ZZ000400	Lens D1.5 - f5.0 - .300ET
110123	Z50ZZ005160A	Lens D2.0 - f5.0 - .380ET
110106	Z50ZZ005200	Lens D2.0 - f7.5 - .380 ET
		Mitsubishi
110144	W500	Lens D1.5 - f5.0 - .300ET
110169	W505	Lens D2.0 - f5.0 - .310ET
110122	W510	Lens D2.0 - f7.5 - .310ET
		Trumpf
110109	088114	Lens D1.5 - f5.0 - .291ET - Meniscus
110110	097517	Lens D1.5 - f7.5 - .291ET - Meniscus

Contact Us
sales@a-l-e.net
P:248 449 3714
F:248 449 7631
www.a-l-e.net

American LASER ENTERPRISES, LLC.

Standard Focusing Lenses and Optics

Standard Optics Care Kit



Part No.	210024
OEM / Reference No.	N/A
Optics Care Kit	

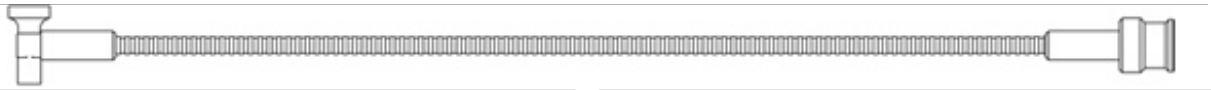
Part No.	210011
OEM / Reference No.	N/A
Premium Grade Optics Tissue (25)	

Kit Includes
1. Multi-Coated Lens Cleaner 1 fl. oz.
1. Ultra-soft duster
1. Lens Cleaning Soft Cloth
3. Premium Grade Optical Tissue (25)
1. Care Kit carrying case

Sensor Cable **Amada**

Part No.	070199
OEM / Reference No.	71341630
Amada Sensor Cable 12 in.	

Sensor Cable **Amada**



Part No.	070200
OEM / Reference No.	71369851
Amada Sensor Cable 8 in.	

Part No.	070201
OEM / Reference No.	71341901
Amada Sensor Cable 12 in.	

Sensor Cable **Cincinnati**

Part No.	070057
OEM / Reference No.	N/A
Cincinnati Tip Transformer Wire 6.0 in.	

have you found that not all cables are created equal?

American LASER ENTERPRISES, LLC.

ALE is proud to announce ArmorDillo™ Sensor Cables. We engineered this line of 100% American-made, outperforming cables to precise standards, so they can keep up with your equipment and your team.

Quality Engineered Superior Performance

Armordillo™ cables feature:

Additional Thermal Insulation, which prevents burn out at the sensor nozzle connector

Reinforced Connector Collars to eliminate break points

Stainless Steel Armor Sheathing to protect against molten metal

Custom Laser Engraving with your logo, part number, or phone number available at no additional cost.

BNC, MCX, SMA, LTX and other speicialty connectors

Available for most major laser system height sensors including Amada®, Cincinnati®, Mazak®, Mitsubishi®, Precitec®, and Trumpf®

Not limited to laser cables. If you need a cable call for the cables that ourperform.

American Laser Enterprises, LLC
28221 Beck Road, Suite A-4
Wixom, MI 48393

Phone: 248 449 3714
Fax: 248 449 7631
info@a-l-e.net

www.a-l-e.net

We Have.

American
LASER ENTERPRISES, LLC.

Phone: 248 449 3714 Web: www.a-l-e.net
Fax: 248 449 7631 E-mail: info@a-l-e.net

Armordillo™ Cable Ordering Guide

ARMORDILLO™
STRONGER.
LONGER LASTING.
ARMORED CABLES.

Because of the confusion over sensor cable numbers, American Laser Enterprises has developed a selection guide to help you obtain the cables you need at the most competitive rates in the industry. **Please complete the form below and fax or E-mail your request to:**

American Laser Enterprises
Fax: (248) 449 7631
E-mail: info@a-l-e.net

Your Information

Company

Name

Address

City/State/Zip

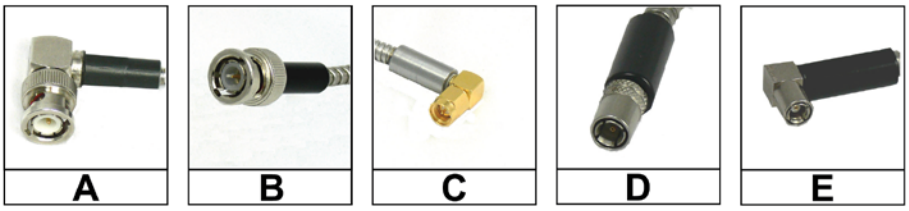
Phone | Fax

E-mail

☐ I do not want to recieve special offers and communications from ALE. ALE will not share your information.

Build your own custom cable

1. Choose connectors. Write letter listed under desired connector in box.
2. Indicated length, units and options.
3. E-mail or Fax as listed above.



Used On:
- ☐ Amada
- ☐ Mazak
- ☐ Precitec
- ☐ _____ Other

1st Connector | Length (Overall) | 2nd Connector

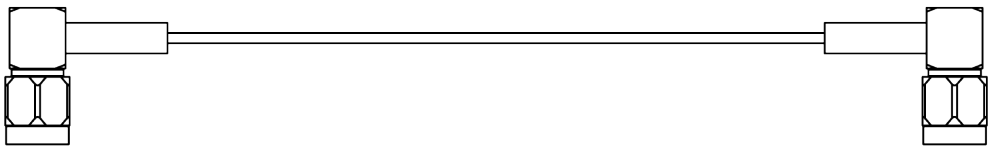
Have an OEM No.?
_____
It may hasten manufacturing time.

Units
- ☐ English
- ☐ Metric

Option
- ☐ No Armor

American LASER ENTERPRISES, LLC.

Sensor Cable **Cincinnati**

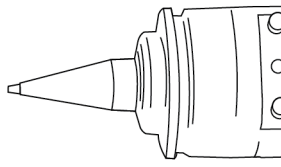


Part No.	070051
OEM / Reference No.	909654 / 922686
Cincinnati Tip Transformer Wire 4.5 in.	

Sensor Cable **Mazak**

Part No.	200068
OEM / Reference No.	46683301980
Mazak Sensor Cable 11 in.	

Part No.	070074
OEM / Reference No.	46683301330
Mazak Long Sensor Cable 12 in.	

sales@a-l-e.net
P:248 449 3714
F:248 449 7631
www.a-l-e.net

Contact Us