



OptoTech

Product Catalogue

Ophthalmic Optics

Spareparts



Smart Solutions for Professionals



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Spareparts

OptoTech Switzerland is able to deliver all kind of spare parts for manual polishing machines and blockers . More than 20 years of experience in the field of development and manufacturing hundreds of machines result in quality proved products.

We are able to identify parts either through

- Drawing
- Picture
- Part number

Revision, update and retrofit of a manual polishing machine to a OptoTech Torilab X1+ with FEM flexible tool technology is something we can manage on request.



Before



After

Toro-X 2000

Toro-X 2 SL

Also maintenance for existing Auto-Taper or Auto-Blocker can be handled through our company. We offer retrofit kits for all of these machines as well to improve quality and reliability.



Before



After

Manual Polishing Machine

Workpiece cylinder

Longer life time and reliability are targets to improve quality standards.

The new designed OptoTech cylinder is the economic and reliable low pressure cylinder with the following benefits:

- separated airflow for sophisticated functionality
- simplified structure
- large scale rotation prevention
- optimized geometry for reduced rubbing
- excellent price-performance ratio
- proved for hard tools and OptoTech FEM flexible tools



Torilab Workpiece Spindle



<u>Description</u>	<u>Part-No.</u>
Workpiece cylinder	150-19-0079



Bellows workpiece quill	150-19-001
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Guide bushing	150-19-005
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Guide bushing 10/8 x 48	150-19-004
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Latch sleeve, ratchet with bearing bush	365010306
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Holder for coolant tube	150-19-003
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Coolant tube	150-19-002
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Manual Polishing Machine

Reception Chuck

The new designed OptoTech reception chuck consists of 3 parts only instead of 5 parts. It is more reliable, has an increased life time and the following benefits:

- less component parts
- quick to assemble and mount
- optimized sealing
- rotation prevention by form fitting
- mountable without assembly jig
- excellent price-performance ratio

Spare parts for the classical reception chuck are also available.



Torilab Reception Chuck Components

	<u>Description</u>	<u>Part-No.</u>
	Air-chuck DT, left version, Soft membrane	12302000000010
 	Air-chuck DT, right version, Soft membrane	12302000000020
	Air-chuck DT, left version, hard membrane	12302000000040
 	Air-chuck DT, right version, hard membrane	12302000000050

Torilab Reception Chuck Components

	<u>Description</u>	<u>Part-No.</u>
	Collet ring	12302000000011
	Profile disc with Right connector	12302000000022
	Profile disc with left connector	12302000000012
	Membrane soft	12302000000013
	Membrane hard, with flag	12302000000014

Torilab Reception Chuck Components

	<u>Description</u>	<u>Part-No.</u>
	Guide pin	150-19-009
	Circlip 77,5	03062090775706
	Circlip 52,5	03062090525505
	O-Seal 44 x 3	08010100440300
	O-Seal 16,3 x 2,4	08010100163240

Torilab Airchuck DT Connection Kit

Spareparts: Torilab Reception Chuck Components

	<u>Description</u>	<u>Part-No.</u>
	Tube dia. 4 I300	03070130060004
	Plug connection 4/6	03061170114064
	Brass ring	150-19-0076
	Outer ring	150-19-008
	Reception Disc	150-19-007
	Membrane soft 65 SH	150-19-010
	Collet ring	150-19-006

Torilab Tool Spindle



<u>Description</u>	<u>Part-No.</u>
Spindle (normal)	150-40-0010
Spindle (Torilab X1 ⁺)	150-40-0011



Eccentric Spindle	150-40-0018
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Obliquely ball bearing	06010303202004
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Needle Bearing Ø 35/ 29 x 30	06010710020300
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Gasket 65/38,5	30010166210222
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Gasket 65/40,5	30010166210221
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Ring for equalizing membrane (NEW: stainless steel)	150-40-006
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Torilab Tool Spindle Clamping Cylinder

Spareparts: Torilab Tool Spindle Clamping Cylinder



Clamping cylinder, complete

150-40-0015



Piston D 35 x 40
Clamping cylinder

150-40-001



Ring Ø 23 /12x7
Clamping cylinder

150-40-002



Clamping Ø 40 x 34






150-40-003



Endcap for clamping
cylinder Ø 37 / 10 x 8

150-40-004

Torilab Tool Spindle Clamping Cylinder

	<u>Description</u>	<u>Part-No.</u>
	Locking ring for drilled hole DIN472 J 35	05150020010350
	Wiper S12-2	08050220200254
	Gasket PK Ø32/23x3 Clamping cylinder	08100100322330
	Piston Seal PK ø12/19x2.5	08110100121925
	O-Ring 32x1.5	08010100320150




Torilab Tool Spindle Clamping Cylinder

	<u>Description</u>	<u>Part-No.</u>
	clamp lever Tool complete (incl. Bearing, O-ring and pin)	150-19-0106
	Clamp lever Tool	150-40-010
	Bronze bushing for clamping rail	06011400610100
	Cylindrical pin ISO2338 Ø6h8x50 A1	05160040060503
	O-Ring Viton 6 x 2.2	08010100060220
	Swivel screw connection 3621-6/4 M5	03063043621645
	Belt sprocket 70/50x15x35	150-40-013
	Timing Pulley 69mm	367011201





Torilab Excentric Gear

	<u>Description</u>	<u>Part-No.</u>
	Cogged belt pulley spindle Ø 45x64	150-19-058
	Cogged belt pulley gearbox Ø 25x47	150-19-059
	Tooth belt HTD 475-5M-9	09051200475090
	Tooth belt HiD 835-5M-15	09051200835150
	Spacer washer 6kt SW 17x58	150-19-052

Torilab Excentric Gear

	<u>Description</u>	<u>Part-No.</u>
	Spacer ring Ø16x10	150-19-053
	Eccentric rod short Ø16x183	150-19-055
	Eccentric rod long Ø16x435	150-19-054
	Swivel head right BRM 12	06010900010121
	Swivel head left BRM 12	06010900020121

Torilab Coolant Valve

	<u>Description</u>	<u>Part-No.</u>
	Polish valve connector	150-19-067
	Coolant valve membrane	150-19-074
	Plastic housing for coolant valve	150-19-069
	Hose nozzle for coolant valve	150-19-066

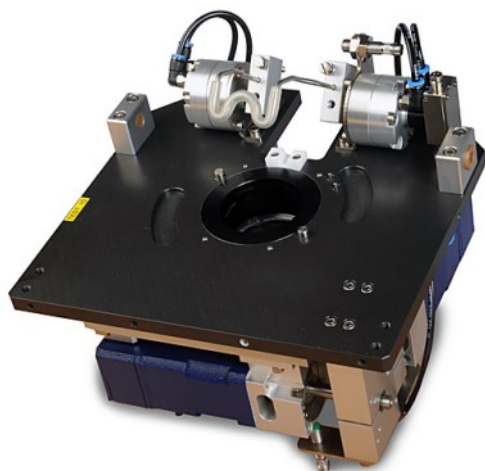
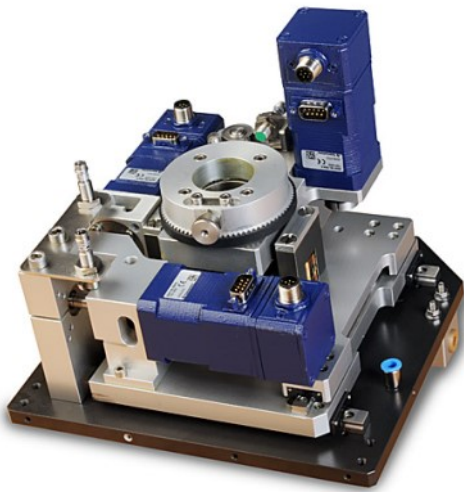
Torilab Other Spareparts

	<u>Description</u>	<u>Part-No.</u>
	Plain bearing linear Ø25/37x54	06011400253754
	Bellows for bearing swing frame	150-19-075
	Pedestal bottle PP 250 ml	03040300010100
	Coated round belt 840 x 6mm	09020306008400
	Socket for air chuck Z	12302000000033

Blocker

Spare Parts and Accessories

Spare parts and accessories for all kind of Blockers in original Swiss quality. Repair and revision of blocking stations by leading experts with more than 20 years experience of Blockers.





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2022-06-03; Subject to change

