

HSP11

Fiber Optic Polishing Machine



Highest performance, precision and flexibility

Eight years after the release of the HSPO3, HUBER+SUHNER presents the new generation of fiber optic polishing machine: the HSP11. The polishing machine, which is designed for mass production, is operated with a user friendly software on a 5.7" coloured touchscreen. It is designed to polish up to 24 ferrules simultaneously, which guarantees an optimal production throughput.

With the new solid construction of the polishing arm and the permanent regulation of arm pressure during the polishing process, excellent geometric characteristics can be achieved. In addition to the optimised polishing programs for the standard connectors, there are 100 program positions for free programming. Data is transferred to the HSP11 via an USB interface. All standard 2.5 mm (BFF) and 1.25 mm (SFF) connectors can be polished such as LX.5, LC, FC, LSH, SC, ST and MU.

Economical criteria

- Maintenance-free
- Short polishing times
- Up to 24 ferrules can be polished simultaneously
- Menu guided, automatic and precise polishing
- High efficiency with high quality at the ferrule end-face



Easy handling

- 5.7" colour touch screen for easy programming and process management
- User-friendly handling
- Pivoting arm for easy cleaning and foil-change
- 100 freely-programmable program positions
- USB interface / easy data transfer via USB stick
- Easy to adjust



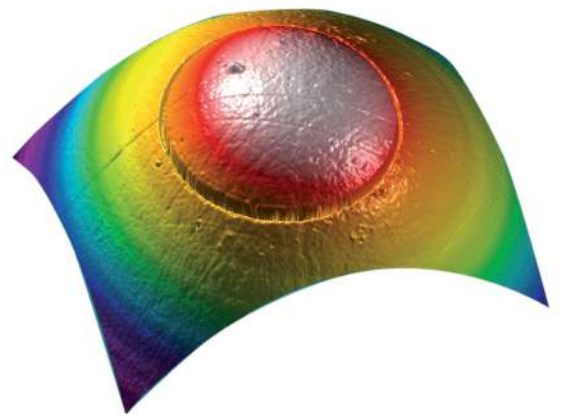
Features

- Polishing pressure is permanently monitored and regulated
- Solid body
- Polishing force up to 80N programmable
- No pneumatic requirement
- Suitable for ceramic, metal, glass and synthetic ferrules
- Wet and dry polishing
- 200 programs with up to 10 steps/program
- Two cable holders
- Mounting options at the polishing arm
- Drain channels for fluids at the polishing plate



Polishing process performance

Fiber height, radius as well as apex offset are the most important parameters of a fiber optic connector end face geometry. The quality characteristics of the HUBER+SUHNER polishing machine HSP11 are low apex offsets and stable radii together with constant fiber heights. Our polishing processes are in accordance with the continuously increasing requirements. International standards such as IEC or Telcordia are efficiently achieved.



Technical Data

Power supply	115 VAC / 60 HZ 230 VAC / 50 HZ
Weight	29 kg
Dimensions	L = 60 cm / W = 52 cm (incl. display) / H = 36 cm
Number of programs	200/100 free programmable
Number of program steps	max. 10
Interface	USB stick
Rotation	50 up to 150 per min
Feed	0.7 up to 1.0 per min (depending on rotation)
Number of connectors	up to 24
Base diameter	10.7 cm (5")

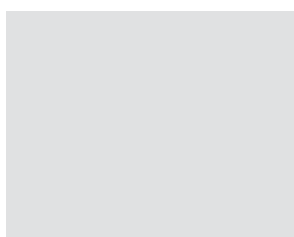
Ordering Information

Polishing machine HSP11	Item number
TOOL-POL-HSP11	84005800
Polishing jigs-PC	Item number
TOOL-POL-JIG-FLX.5	84010680
TOOL-POL-JIG-FLC-DUP-24	84117750
TOOL-POL-JIG-FMU	84010706
TOOL-POL-JIG-FSC-24	84108162
TOOL-POL-JIG-FLSH	84010697
TOOL-POL-JIG-FCPC	84010661
TOOL-POL-JIG-FST	84010646
Polishing jigs-APC	Item number
TOOL-POL-JIG-FLX.5/APC	84010725
TOOL-POL-JIG-FLC/APC-24	84108167
TOOL-POL-JIG-FSC/APC-24	84108166
TOOL-POL-JIG-FLSH/APC	84010719
TOOL-POL-JIG-FCPC/APC-W	84010708
TOOL-POL-JIG-FCPC/APC-S	84010711
Polishing machine accessories	Item number
TOOL-POL-ACC-JIG-HOLD	84112971
TOOL-POL-ACC-RING	84118065

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS.

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It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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