

Maschinen und Dienstleistungen
für die Drahtindustrie

schmidt

Maschinenbau GmbH
Machines for the wire industry

Stainless Steel Wire Production Line

**Machinery, expertise and support for
stainless steel wire production**

Advice

Engineering

Design work

Machinery delivery

Commissioning

Training



*specialized for
powerful solutions*



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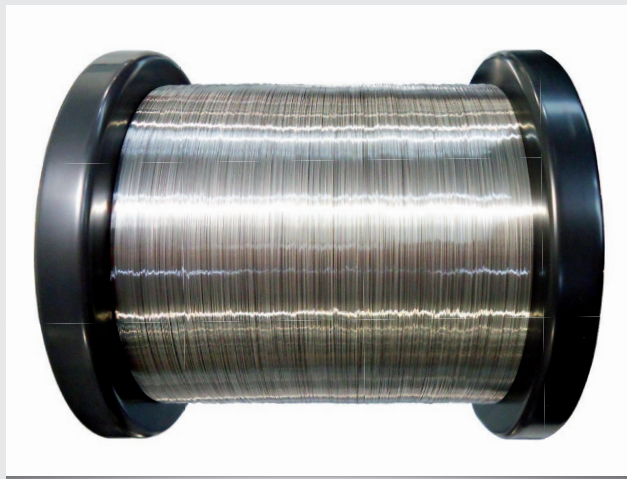
Maschinenbau GmbH
Machines for the wire industry

Quality and efficiency for the stainless steel industry

Schmidt Maschinenbau GmbH offers outstanding performance through excellence in design, manufacturing and service, as well as by having a dedicated team of professionals ready to meet our customer's requirements with a high degree of flexibility.

Our range of services for the EDM wire industry comprises of:

- ☑ Consulting
- ☑ Design
 - ☑ Machine manufacturing
 - ☑ Commissioning
 - ☑ Training
 - ☑ Maintenance
 - ☑ Repair
 - ☑ Reconditioning



Top quality stainless steel wire

Range of stainless steel wire products

Ultra fine wire drawing machine 30-2/38 with integrated spooler **S 130**. Available to be equipped with tailstock spindle spooler P 125–250 or integrated traversing spooler S 130.

Wire material :	Stainless steel (304, 316)
Inlet dia. :	0.16 to 0.28 mm (28 to 34 AWG)
Range of finish wire :	0.013 to 0.025 mm (51 to 56 AWG)
Max. no. of dies :	38 (21 x 13 % CR + 16 x 9.1 % CR + 1 x 9.1)
Speed :	25 m/s – 40 m/s (5,000 to 7,800 fpm)
Tensile strength :	1,500 to 3,000 MPa

Fine wire drawing machine 30-3 with integrated traversing spooler **S 130/Trav.** Available to be equipped with tailstock spindle spooler P 76–250 or automatic spool changer A 125–250.

Wire material :	Stainless steel (304, 316)
Inlet dia. :	Max. 0.6 mm (0.024")
Range of finish wire :	0.025 to 0.075 mm (0.001" to 0.003")
Max. no. of dies :	25 (13 % CR)
Speed :	20 m/s – 30 m/s (4,000 to 6,000 fpm)
Tensile strength :	1,500 to 3,000 MPa



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Wire drawing machine 180-30 with spooler S 160-355. Available to be equipped with tailstock spindle spooler P 125-250 or automatic spool changer A 125-250 (A 160-355).

Wire material : Stainless steel (304, 316)
Inlet dia. : Max. 1.6 mm (0.063")
Range of finish wire : 0.3 to 0.8 mm (0.012" to 0.031")
Max. no. of dies : 22 (15.3 % CR)
Speed : 10 m/s (2,000 fpm)
Tensile strength : 1,500 to 3,000 MPa



Wire drawing machine 150-15/21 with automatic spooler A 160-355. Available to be equipped with different tailstock spindle spoolers.

Wire material : Stainless steel (304, 316)
Inlet dia. : Max. 1.4 mm (0.055")
Range of finish wire : 0.15 to 0.5 mm (0.006" to 0.020")
Max. no. of dies : 21 (15.3 % CR ; final die 15.3 % CR or 14 % CR)
Speed : 25 – 30 m/s (5,000 to 6,000 fpm)
Tensile strength : 1,500 to 3,000 MPa



Wire drawing machine 150-40 with automatic spooler A 160-355. Available to be equipped with different tailstock spindle spoolers.

Wire material : Stainless steel (304, 316)
Inlet dia. : Max. 2.0 mm (0.079")
Range of finish wire : 0.2 to 0.8 mm (0.008" to 0.031")
Max. no. of dies : 20 (15.3 % CR ; final die 15.3 % CR or 14 % CR or 9 %)
Speed : 20 – 30 m/s (4,000 to 6,000 fpm)
Tensile strength : 1,500 to 3,000 MPa



Wire drawing machine 100-8/T equipped with tailstock spindle spooler P 125 -250.

Wire material : Stainless steel (304, 316)
Inlet dia. : Max. 1.2 mm (0.047")
Range of finish wire : 0.08 to 0.3 mm (0.003" to 0.012")
Max. no. of dies : 28 (19 x 15.3 % CR + 9 x 11.5 CR)
Speed : 10 m/s (2,000 fpm)
Tensile strength : 1,500 to 3,000 MPa

Annealing pay off and take ups

SD 20-30/50

Wire material : Stainless steel
Range of wire : 0.1 to 0.8 mm (0.004" to 0.032")
Tension control: Torque control
Spooling: Traversing pulley
Speed : 120 m/min (400 fpm)



SD 20-30/80-TRAV

Wire material : Stainless steel
Range of wire : 0.2 to 1.0 mm (0.008" to 0.04")
Tension control: Torque control
Spooling: Traversing spool
Speed : 60 – 100 m/min (200 to 330 fpm)



SM35

Wire material : Stainless steel
Range of wire : 0.015 to 0.025 mm (0.0006" to 0.001")
Tension control: Torque control
Spooling: Traversing spool
Speed : 10 – 300 m/min (32 to 1,000 fpm)



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