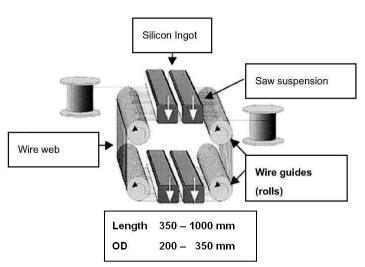
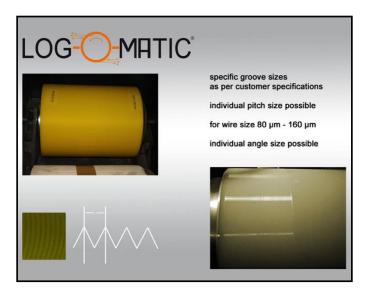
Fully automatic groove grinder LGG









Features

The LGG is designed to grind and regroove the wire guides from slurry wafering saws or diamond wire saws to any pitch size.

- Grind OD sizes from 2 13 inches
- High precision results
- Grind and regroove guides of:
 - Logomatic (Diamond Multi Wire Saw)
 - AMAT / HCT
 - Meyer+Burger
 - Themis
 - NTC
 - -Toyo and Takatori and all other slurry saws which need refurbishing of wire guide rolls

Machine data

Max. length: 1,000/600 mm

Max. OD: 350 mm

Clamping space: 1,200/350 mm

Clamping length: 650/1,200 mm

Wheel & in-feed:

In feed with ball screw and servo motor Smallest step ± 0.001 mm (1 µm)

Technical data

Dimension 3.0 m x 4.0 m x 2.2 m

Weight 4,800 kg

Control Siemens touchpanel
Software Siemens Sinumeric
CNC Unit Siemens 820/840

El. Connection 18 kW

400 V, 3 ph + earth

www.logomatic.de

E-Mail: info@logomatic.de

50/60 Hz

Color white

Phone: +49 (0) 60 21 - 79 00 90

Fax:

+49 (0) 60 21 - 79 00 50

Fully automatic groove grinder LOG- - MATIC® **LGG**



Accuracy over 1,000 mm <u>± 1 μ (2 μ guaranteed)</u>



Incoming wire guide rolls for Diamond wire or slurry using machines



4 HCT rollers (Front) 4 MB rollers (back)

Specifications

Table longitudinal stroke:

Step-less adjustable 0 - 1,000 mm/min

By AC Motor

Table taper range adjustable by hand

To reach diameter tolerances at Ø 300 ± 0.002 mm

Table movement ± 0.002 mm on 600/1,000 mm

Grinding wheel & in-feed:

In-feed with ball screw and servo motor

Smallest in-feed step $\pm 0.001 \, \text{mm} \, (1 \, \mu)$

Special grinding spindle

Run out ±1μ Drive by DC motor 6 KW

Step less adjustable over

frequency changer 300 - 3,500 rpm

Automatically grinding wheel in-feed CNC controlled

Drive of all 3 axis by AC motor

With option of:

Total in-feed 200 mm $0.001 - 0.99 \, \text{mm}$ Single in-feed per step $1 - 99 \sec$ Sparking out Separated electrical cabinet with integrated touch panel

Separately fast in-feed motion and automatically tip-fine infeed

smallest step ±1 µ

or for adjustment by hand repeatability of in-feed position ±1 µ

repeatability of table side position ± 2 µ

Hand held (control panel) for all movement incl. setting parameters, emergency-stop for set-up and adjustment

Grinding Wheel:

Ø 400x40 mm grinding wheel is incl. in the first delivery

- For OD grinding we recommend 2pc. of grinding wheels with 2 flanges
- For groove grinding we recommend 6pc. of grinding wheels with 6 flanges

The dressing of the grinding wheels for grooving the wire guide rolls is necessary, because it very high precision of the pitch on the WGR itself. This is important to produce high precision wafers in the wafering saw.

Cooling unit

A cooling unit with a volume of 600 l is placed behind of the machine. A filter catches the swarf material (take off material of the wire guide roller, Polyurethane). A cleaning process is possible during the current grinding process, which does not influence the grinding process.