

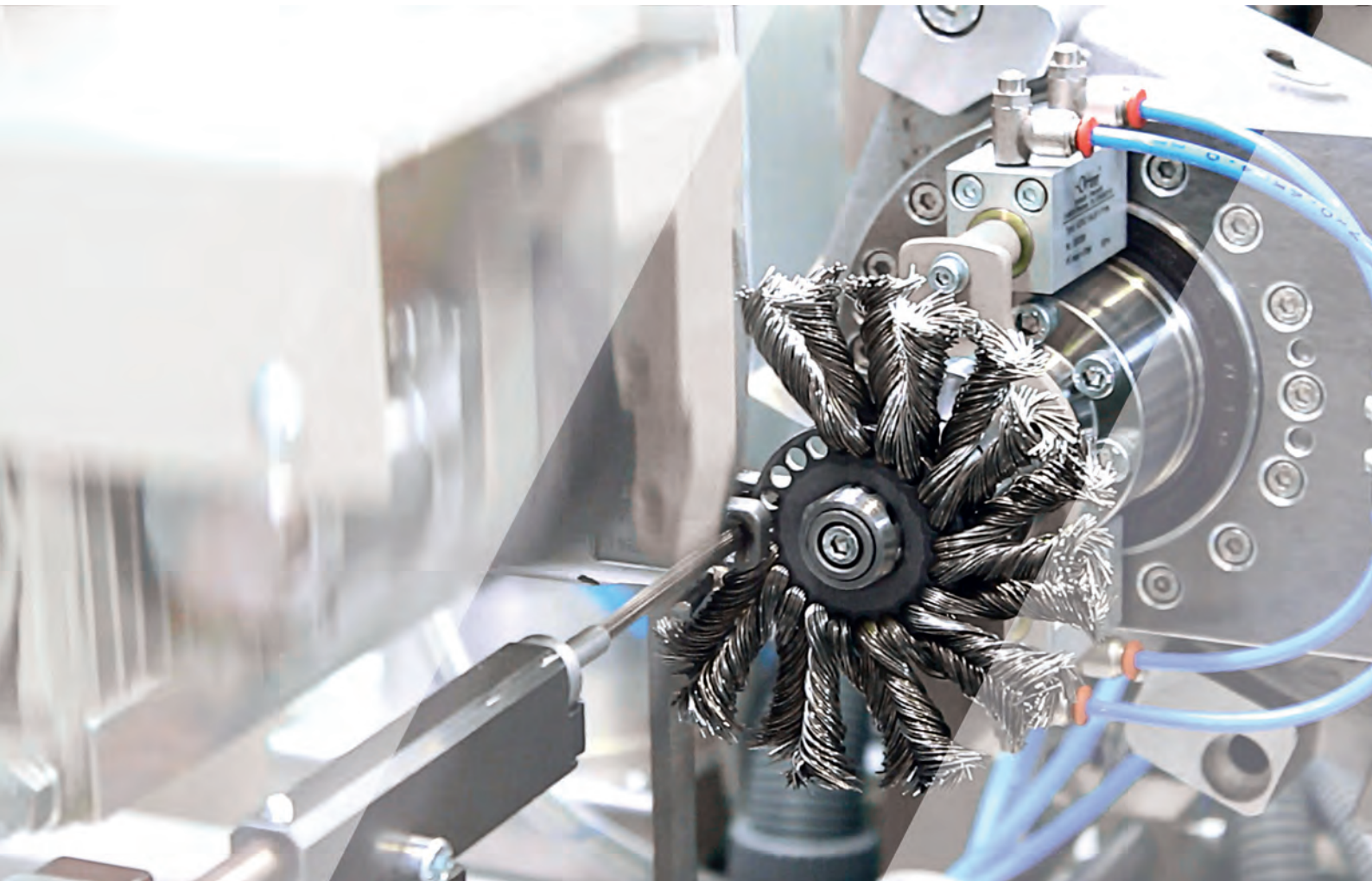
theWorldof **PowerBrush** Machines

**WÖHLER**



Twist knot brush machine

**ZVA 600**

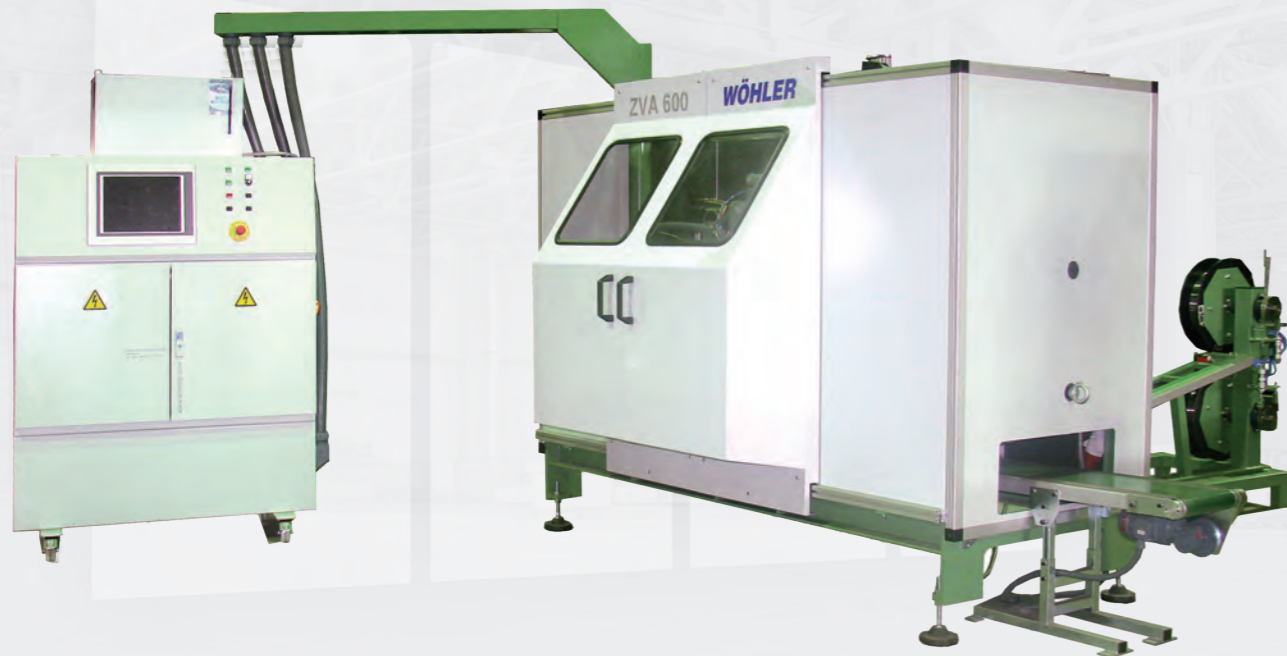


Flexible in large and small series

Production of twist knot brush segments

### Highlights

- + high production capacity
- + ideal for operating in production cells
- + brush size from 6-hole disks up to 23.6" (600 mm) outer diameter
- + automatic disc feeding (optional)
- + integrated hole punching (optional)



Twist knot brush samples made from ZVA 600 brush segments

Highly flexible, fully automatic twist knot machine for everything from small production lots up to large series. Knot filling and punching is done on one station, to ensure exact positioning of the twist knot holes. The machine covers the full range of brush sizes from large to small. Disks up to 150 mm in diameter can be automatically fed from magazine, larger disks can be fed by hand. Disks up to 450 mm diameter can be processed.

By default the use of pre-punched disks is required. With the additional option of hole punching on the machine, the knotting and punching takes place at one station. This ensures an exact positioning of the holes.

The mechanical adjustment parameters are recorded and displayed on the touch screen of the compact operator terminal. The production parameters can be entered manually or retrieved from the internal memory as a program. The **ZVA 600** has a USB port for backup, management and transfer of program data.

The twisting unit is able to generate many different shapes of knots. Such as Stringer Bead Twist, Cable Twist, Rose Bud Twist and Stringer Bead with Tight Rose Bud. Even individual knot forms are possible. Moreover it convinces with minimal wire loss.

The material is fed through the automatic wire feeding. Also a multi-spool feeding is possible.

Once the brush has been completed, it is automatically ejected.

### Material feed / Degree of automation

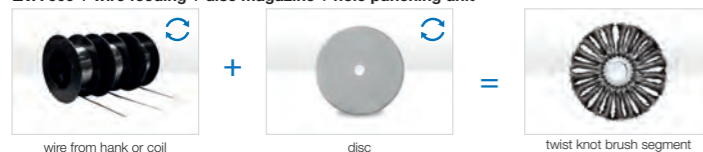
#### ZVA 600 + wire feeding



#### ZVA 600 + wire feeding + disc magazine



#### ZVA 600 + wire feeding + disc magazine + hole punching unit



■ manual feeding    ○ automatic feeding

### Optional components

- Fill material feeding**
- Wire uncoiler **SDA 2** resp. **SDA 4**
  - Wire uncoiler **DAZ 80**
  - + coil holder **SFA 360**

**Additional module**

- Hole punching unit
- Disc magazine

### Technical data <sup>1</sup>

Production speed:	twisting: up to 30 knots/min punching (optional): up to 220 holes/min
Wire length:	3.15" - 11.8" (80 - 300 mm)
Wire diameter:	0.01" - 0.04" (0.25 - 1.0 mm)
Disk diameter:	1.0" - 17.7" (25 - 450 mm)
Disk thickness:	0.06" - 0.12" (1.5 - 3.0 mm)
Ø Center bore:	individual
Brush outer diameter (untrimmed):	3.5" - 23.6" (90 - 600 mm)
Wire quality:	oil tempered, hard drawn, brass coated, stainless
Set-up time:	15 - 45 minutes
Compressed air   Air consumption (ISO 8573-1):	min. 6 bar   9 m³/h
Power supply   Power input:	400 Volt / 50 Hz   15 kW
Dimensions (W x L x H):	10.5 x 5.2 x 7.2 ft (3.2 x 1.6 x 2.2 m)

<sup>1</sup> Guideline values – these may vary considerably depending on material specifications

