

Z.LYNX



The **professional** for twisted-in-wire brushes

- Fully automatic production
- Highest brush quality
- Maximum process flexibility and reliability

The youngest member of the Z.LYNX family is the

first

fully automatic machine for twisted-in-wire brushes with one closed end or looped handle.



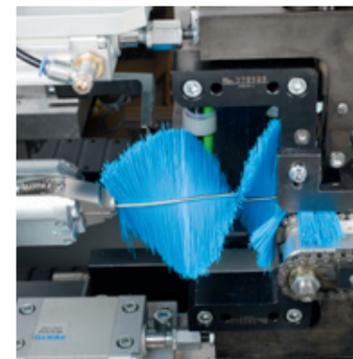
Z.LYNX 3

Z.LYNX

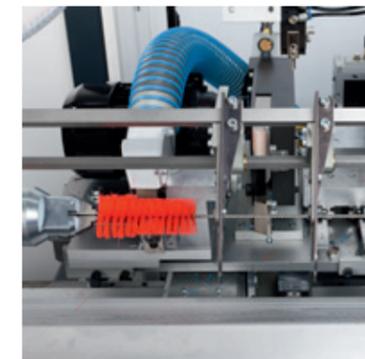
The fully automatic way to perfect twisted-in-wire brushes

Z.LYNX is a family of fully-automated, high-performance machines for producing twisted-in wire brushes. The servo control ensures maximum process stability when straightening, feeding, twisting, trimming and cutting. There is the right machine for every type of brush.

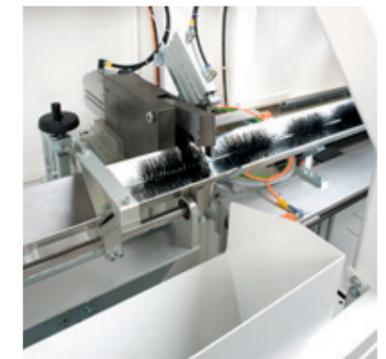
Z.LYNX: The most cost-effective solution with top ZAHORANSKY quality.



Perfect twisting



Precision trimming



Cuts to length automatically

What kind of brush do you want to twist?

Depending on the type of twisted brush, a different member of the Z.LYNX family may be the right choice for you. There is the high-output specialist for bottle-cleaning brushes (Z.LYNX 1). Z.LYNX 2 is the expert in closed-end brushes (such as deburring brushes), while the universal Z.LYNX 3 is designed for brushes with either a closed end or looped handle. A few examples:



The Z.LYNX family

The right solution for **every type of brush**

Z.LYNX 1



FOR BOTTLE-CLEANING BRUSHES

- Particularly fast and fully automatic machine for twisting and trimming. Up to 7 m brushes/minute using a two-stage twisting technique
- Device for secondary twisting operation – perfect for especially tightly twisted brushes
- Free contour definition thanks to trimming unit with servo axis
- Double filament box for combination of filament colors or materials
- Touch screen for programming twisting, brush pattern, feed rate and picking speed
- Optional: Device for cutting the brushes to the desired length

Brush length:	50 – 1,000 mm (optionally 2,000 mm)
Brush diameter:	5 – 120 mm
Core diameter:	0.9 – 3.0 mm
Filament:	Nylon filaments with 2 colors
Filament lengths:	30 – 130 mm

Z.LYNX 2



FOR CLEANING, DEBURRING AND GRINDING BRUSHES

- Fully automatic CNC machine for twisted, closed-end nylon and wire brushes
- Advantage: No trimming needed for wire brushes with small diameters
- Tufting material fed in from spools and cut by a guillotine mechanism
- Various trimmers can be used; or alternatively: half-shell cupping device
- Optional: add-on unit with diamond grinder for brushes made from abrasive filament
- Brushes ejected via a chute
- Complete servo drive system
- Touch screen for programming brush profiles, entering operating data and managing formulas

Brush length:	45 – 140 mm (optionally 250 mm)
Brush diameter:	3 – 35 mm (optionally 55 mm)
Core diameter:	1.0 – 3.0 mm
Filament:	Wire filament also stainless steel, abrasive bristles or nylon filaments on spools
Filament lengths:	20 – 80 mm

Z.LYNX 3

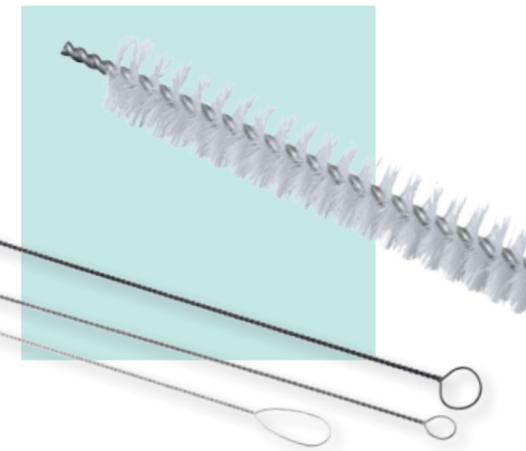
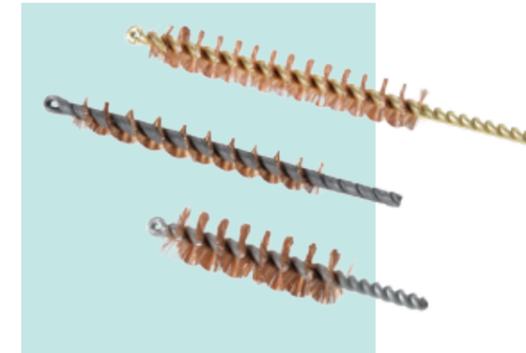


The first fully automatic machine for this type of brush

FOR TWISTED-IN-WIRE BRUSHES WITH ONE CLOSED END OR LOOPED HANDLE

- High-performance CNC machine with servo control for high reproducibility and maximum control
- Selectable core twisting, with or without forming a loop
- High-precision profile trimming by CNC trimming unit
- Brushes cut to the desired length
- Output via a conveyor belt
- Automatic feeding of filaments
- Double filament box for combination of filament colors or materials
- Touch screen for brush programming, entering operating data, managing formulas and maintenance summary
- Prepared for offline programming

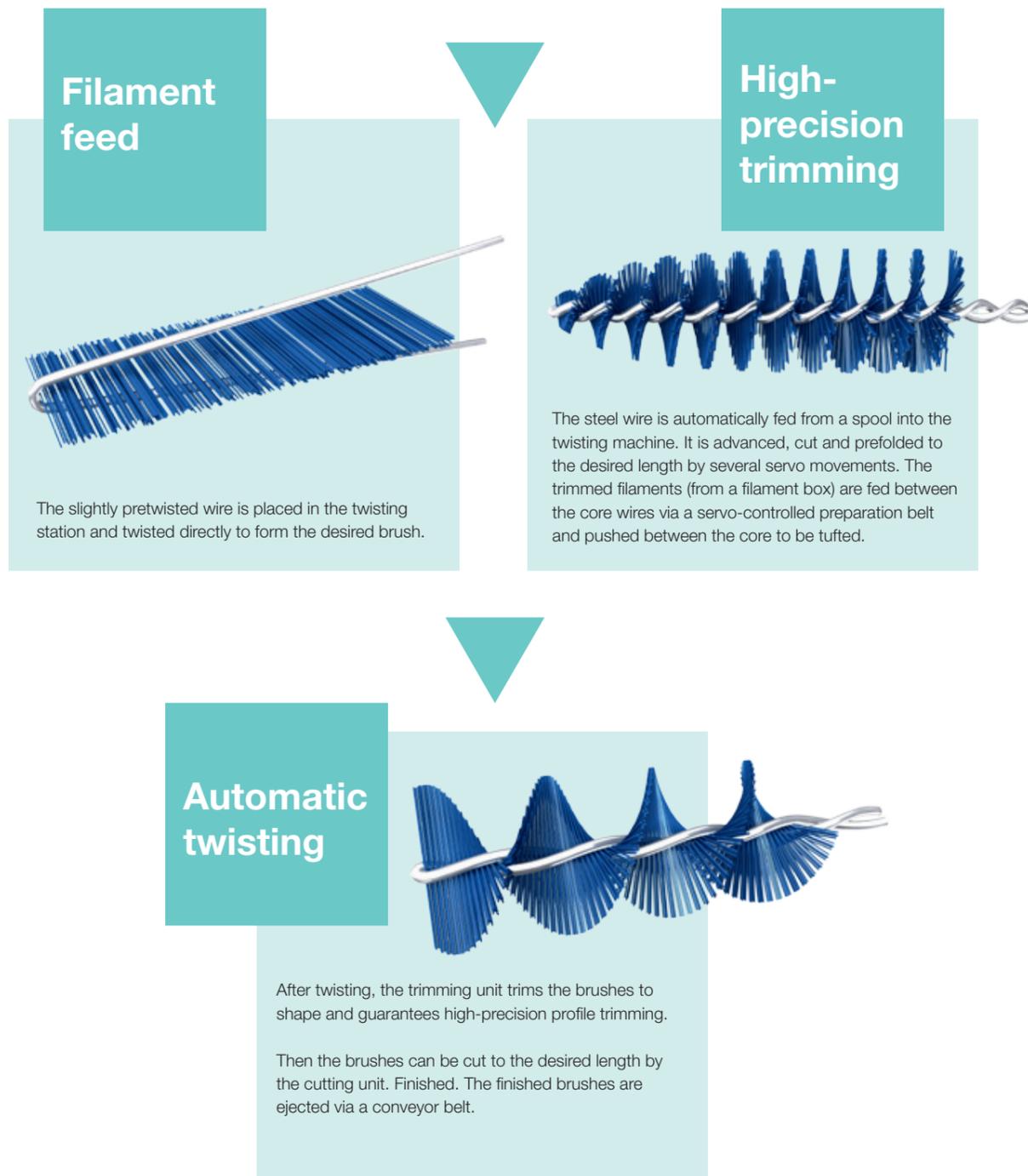
Brush length:	60 – 1,000 mm
Brush diameter:	6 – 110 mm
Core diameter:	1.0 – 3.4 mm
Filament:	Wire tufting or nylon filaments
Max. filament length:	30 – 130 mm
Trimming length:	1,000 mm
Loop diameter:	6 – 40 mm round or non-round



It will be our pleasure to support you.
Why not give us a call?

Z.LYNX 3: With **high-speed steel** for great contours

Z.LYNX 3 delivers the highest product quality with maximum process stability. Its CNC-controlled trimming unit with HSS trimmers (High-Speed Steel) also trims the brush heads at incredible speeds and with unbelievable precision.



The **benefits** at a glance

Highest brush quality

- High-precision profile trimming
- Various types of materials can be processed (plastic, wire, natural fibers and abrasives)
- Consistently high quality



Fully automatic production

- Very high level of automation with constant quality and output
- Touch screen programming
- High output without operators

Maximum process stability and reliability

- Long-established ZAHORANSKY technology
- High quality servo drive system
- Electronically secured safety housing



German Engineering with **Passion & Perfection**

More than a century ago, Anton Zahoransky marked the start of a new era in brush production when he developed the first drilling and tufting machine for brushes. The company has grown into an international business offering complete solutions in the field of machine building and automation technology. It now has four divisions: Mold Making, Systems Technology, Packaging Machines and Brush Machines.

The driving force is and always has been more than just solid "German Engineering" and concentrated innovative strength. It is the unbroken spirit of "Passion & Perfection": lifeblood, persistence and an absolute desire to develop solutions that deliver exactly what they promise.

ZAHORANSKY – PERFECTLY DIFFERENT



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