Z.SHARK

The Champion for the high-performance tufting of toothbrushes

- The most successful tufting machine worldwide – Z.SHARK 4
- High output performance coupled with outstanding quality
- Great flexibility on a small footprint

ZAHORANSKY
PERFECTLY DIFFERENT

Z.SHARK is the **most successful** tufting machine in the world

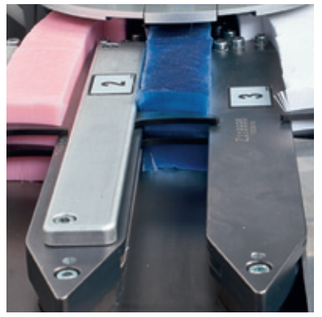
Z.SHARK twin: This machine has been completely re-developed. It not only tufts toothbrushes, it trims and end rounds them as well.

Z.SHARK

A family of continuous **high-performance tufting machines**

The quality of a toothbrush is decided by the quality of its bristling. Which means the investment in a tufting machine needs very careful consideration. Z.SHARK is a family of high-performance automatic tufting machines. Its continuous high output contributes to particularly cost-effective toothbrush production. Familiar and proven top quality from ZAHORANSKY – Developed in Germany.

Stacking magazine



Filament box for three colors

Precision tufting at high speed

For almost **any design** of toothbrushes

A Z.SHARK tufts almost any brush. The maximum hole field size is 35 x 45 mm. Filaments in three different colors and even complex tuft positions are possible.
A few examples:

Z.SHARK

Output and options at a glance

In an increasingly competitive market, it is the detail that lead to success. For this reason, we have developed an entirely new Z.SHARK twin machine that builds on the success of the Z.SHARK series. This new unit far surpasses the proven Z.SHARK classic models in terms of performance and functions.

Z.SHARK: For tufting only

Manual handle feeding

Material feed

Up to three colors of chemically tapered filament, standard nylon or standard polyester

High-performance tufting

Up to 1,000 tufts/Min.
New: CNC-controlled tuft deflectors for complex hole fields.

Advantages of Z.SHARK

- **The most successful machine worldwide**
- **High yield output** coupled with top quality
- **High flexibility** on a small footprint
- Production of head plates possible
- Also for **multi-component toothbrushes**
- **Remote maintenance** via the Internet
- Proven top technology **by ZAHORANSKY**

Optional for Z.SHARK 4:
Rotating turret for complex tuft positions

Additional benefits of the twin version

- **High production volume and outstanding product quality**
- Includes **cutting and end-rounding stations**
- **Best end-rounding quality on the market**
- **Easy to install** with “Plug & Play”
- **Perfect machine concept** can be upgraded and extended

Z.SHARK twin: Tufts, cuts, rounds

Manual handle feeding

Automatic transfer

High-performance tufting

Tried and trusted, extremely sturdy tufting tool which is equipped to meet future needs

Output on belt

End rounding

Trimming

Date code and hot stamping
(optional)

Cleaning
(optional)

Z.SHARK family

Overview of our **champions**

All the models from the Z.SHARK family are manually operated tufting machines. The newly developed twin unit simply does more in terms of functions. It will be our pleasure to advise you which version of which machine type best meets your requirements. Give us a call to discuss your needs.

Z.SHARK 1

UP TO 850 TUFTS/MINUTE

- Ideal for brushes with chemically tapered filaments
- High stacking magazine
- Servo-operated filament box for gentle switchover
- High precision and smooth running
- Footprint: approx. 1.33 m^2

Upgrade options:

- 3rd axis (depth)
- Manual loading belt for complex handles

Z.SHARK 4

UP TO 1,000 TUFTS/MINUTE

- Processes very complex hole fields with almost constant output
- User-friendly sample changes using touch screen controls
- Servo-operated filament box for gentle switchover
- High precision and quiet running
- Main drive via servo motor
- Footprint: approx. 1.33 m^2

Upgrade options:

- 3rd axis (depth)
- Manual loading belt for multi-component handles
- Set-up for flexible anchor position of up to +/- 90°

TECHNICAL DATA FOR ALL Z.SHARK MODELS

Operation:	manual
Hole field size:	max. 35 x 45 mm
Hole size:	1.2 – 3.0 mm
Filament colors:	3
Axes:	2
Touch screen:	1 x (5.7")
On twin:	2 x (5.7")

Z.SHARK 8

UP TO 850 TUFTS/MINUTE

- Best price-performance ratio (developed by ZAHORANSKY Germany and made by ZAHORANSKY India)
- Suitable for toothbrush handles with precored holes
- Footprint: approx. 1.2 m^2

Twice the output Z.SHARK twin

UP TO 2 x 1,000 TUFTS/MINUTE

- Completely newly developed high-performance machine
- Unlike the other Z.SHARK models it also offers cutting and end rounding (up to 16 stations)
- Max. 12 end-rounding stations
- Best end-rounding quality available on the market
- Suitable even for complex topographies
- Date coding (optional)
- Low labor cost required
- Ergonomically designed for the operator (insertion height for handles approx. 1 m)
- Extremely easy to install: “Plug & Play”
- Footprint: approx. 6.3 x 2 m.

Upgrade options:

- Spreading devices for complex topographies
- Brush cleaning
- Hot stamping or decal units

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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