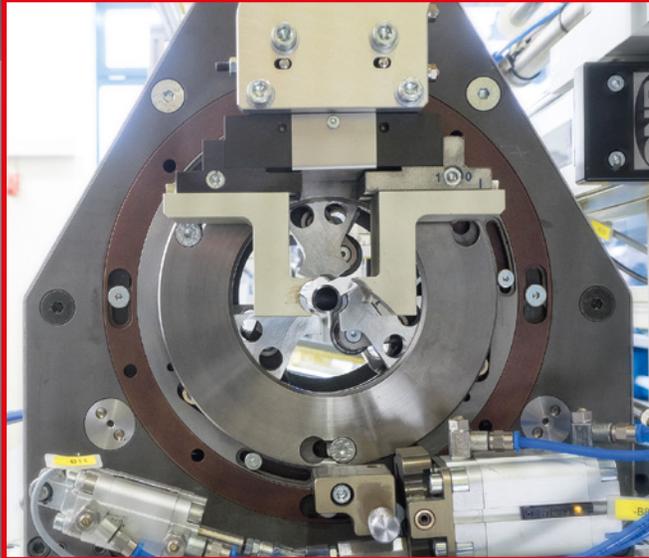


**FZH**

*We manufacture  
fully automatic pipe cutting equipment  
to order.*



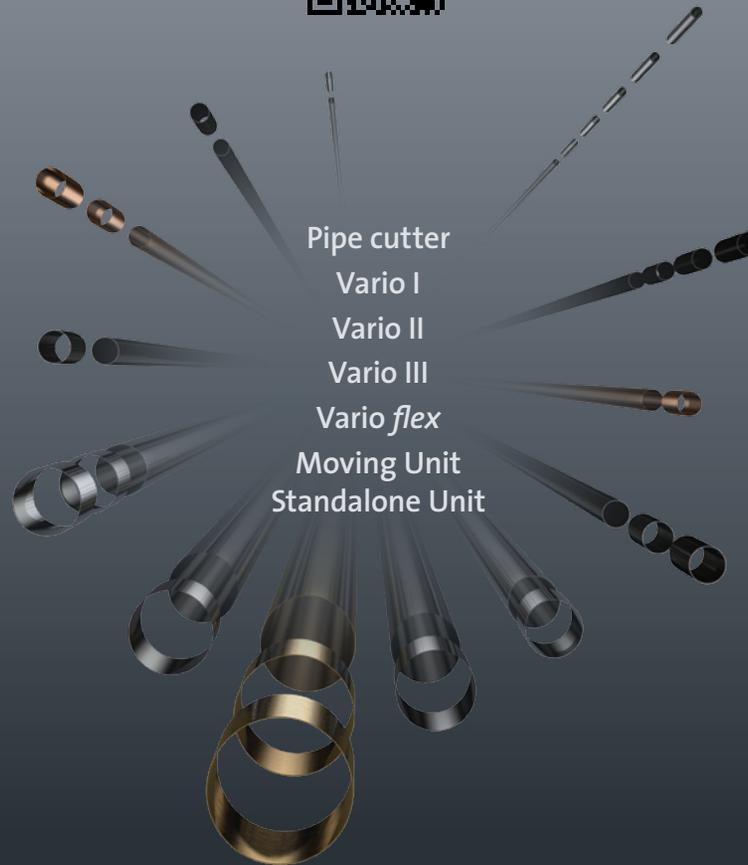
Type Vario II

Because the basic machine is built in a modular fashion, it can easily be expanded to semi- or fully automatic.

In addition to various special designs, we can also put in place downstream, concatenated sequences for the cut pipe.

This can include, among other things:

- Tapping
- Final machining
- Cross-drilling
- Compression, squeezing
- Expansion
- Measuring, testing



Pipe cutter  
Vario I  
Vario II  
Vario III  
Vario flex  
Moving Unit  
Standalone Unit

cube

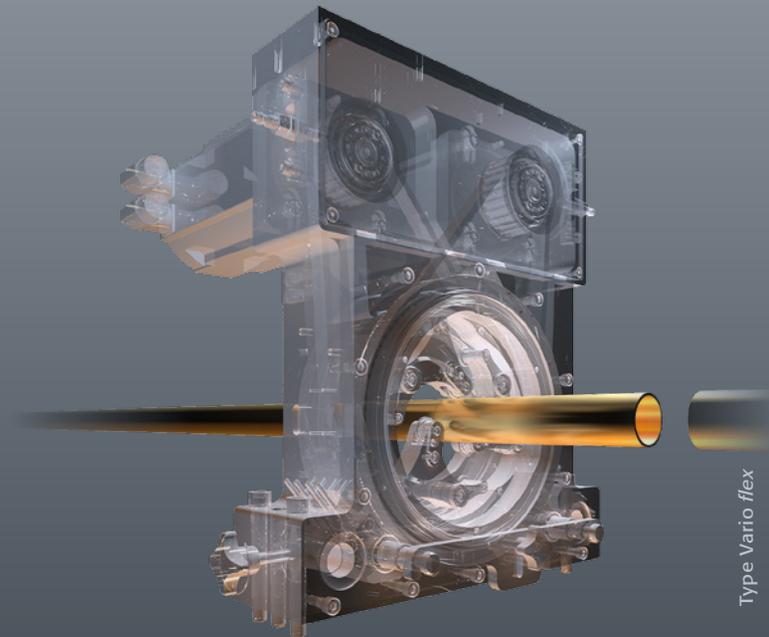
**FZH**

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**FZH**

# Vario

**Thin-walled pipes with  
lightning speed and low few burrs.**



Type Vario flex

**The pipe cutter exclusively  
from the manufacturer.**

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The pipe cutting systems are proprietary products from FZH – designed by practitioners for practitioners.

# Vario



Technical data:

# Vario

Vario I · Vario II · Vario III · Vario flex

Our pipe cutting systems cut thin-walled pipes with 3 fast-rotating cutting wheels: **universal, low-burr and no pipe deformation.**

The opening movements of the cutting wheels is controlled along the curves, and the feed speed can be adjusted on the control panel.

The Vario tube cutter offers significant advantages over conventional cutting methods:

- **saves material**, and free of contaminants
- **easy to maintain**, no coolant or grease
- **short processing times**
- **works on all common materials**
- pipe diameter: **6 mm to 120 mm**
- Wall thicknesses **0,1 mm to 2,5 mm** (1,5 mm for stainless steel)
- can be combined with all current pipe magazines or from a coil
- in **special** designs according to customer needs, e.g. with length measurement systems, as "moving machines," etc.



We offer four different versions

| System/Type                              | Vario I   | Vario II     | Vario III    | Vario flex                             |              |
|--|---|--------------|--------------|--|--------------|
| <b>Cutting head</b> (RPM)                | 100 - 1000  | 100 - 1000   | 100 - 1000   | 100 - 1000                             |              |
| <b>Tensioning systems</b>                | Optional: stepless vario system or tensioning system with exchange jaws   |              |              |  |              |
| <b>Separable materials</b>               | (1) Aluminium<br>(2) Copper<br>(3) Brass<br>(4) Steel (up to about 500 N/mm <sup>2</sup> )<br>(5) Plastics (also with metal inserts)<br>(6) Stainless steel |              |              |  |              |
| <b>Tube dia. outs.</b>                   | 6 - 28 mm   | 6 - 80 mm    | 35 - 120 mm  | 6 - 76 mm                              |              |
| <b>Tube dia. inside</b>                  | at least 4 mm   |              |              | at least 4 mm                          |              |
| <b>Wall thickness</b><br>Mat. (1) to (5) | 0,3 - 2 mm  | 0,1 - 1,5 mm | 0,1 - 2 mm   | 0,3 - 2,5 mm                           | 0,1 - 2,0 mm |
| <b>Wall thckn.</b> (6)                   | 0,3 - 1,5 mm  |              | 0,1 - 1,5 mm | 0,2 - 1,5 mm                           | 0,1 - 1,5 mm |
| <b>El. connection</b>                    | 400V (3L/N/PE) 16A secured, if applicable, RCD  |              |              |  |              |
| <b>Pneumatic</b>                         | 6 bar, dry, oil-free  |              |              |  |              |
| <b>Place requirem.</b><br>+ magazine     | 700 x 1500 mm   |              |              | 340 x 220 x 400 mm<br>(as moving unit) |              |
| <b>Weight</b>                            | about 150 kg  | about 180 kg | about 200 kg | ca. 60 kg<br>(as moving unit)          |              |

All systems can also be supplied as "moving units."