Higher productivity and long tool life is based on a simple premise: We engineer and manufacture high-performance, durable Live Tools with greater spindle rigidity for incredible power and precision.
u-tec® changing system output

Features standard compact design with internal nut, patented u-tec® ER collet changing system, and stronger combination bearings for high rigidity.

Application types

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u-tec® changing system includes:
- polygon drive
- centering cylinder
- integrated clamping nut

spindle front end

X

US & Canadian Sales
847-749-0633
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www.heimatecinc.com/live-tooling

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+(49) 7843 9466-0
info@heimatec.de
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Functional features of our u-tec® ER collet output

Integrated collet nut

Tool holders (Weldon / Whistle Notch, Arbor, ER collet extensions)

Location marked with 3 alignment indicators

Shank DIN 6499

Centering cylinder

Polygon

Replacing u-tec® adapter

Loosen and remove collet nut

Insert u-tec adapter and clamp with integrated nut

• Higher rigidity
• Longer tool life
• Improved finish
combination bearing technology

Timken style high-preload roller bearings increase rigidity, extends tool life and improves finish over industry standard medium-preload spindle bearings.

Functional features of our high precision bearing system

- u-tec®
  Integrated clamping nut, cutting tool seated deeper for higher rigidity

- Industry standard
  high precision spindle bearings

- Heimatec standard
  high precision, Timken style, tapered roller bearings

- Z-Axis/Radial Tool

- X-Axis/Axial Tool
Timken style high-preload roller bearings increase rigidity, extend tool life and improve finish over industry standard medium-preload spindle bearings.

### Functional features of our high precision bearing system

**Heimatec standard**
- High precision, Timken style, tapered roller bearings

**u-tec®**
- Internal collet nut, cutting tool seated deeper for higher rigidity

**Industry standard**
- High precision spindle bearings

**Spindle output**

**External collet nut**

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**heimatec**
- Precision Tools

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**International Sales Germany**
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Our easy-quick adapter inserts can be changed by unthreading just one bolt. Precision pre-setting and adjustment of interchangeable inserts outside the machine, significantly reduces changeover time.

**Functional features of our easy-quick HT output**

- **cylinder guide**
  - (0.005 mm tolerance)

- **pin hole for positioning**
  - (not for power transfer)

- **oval hole**

- **clamping screw with cone**

- **maximum power transfer due to face and surface contact**

- **positioning pin**
  - (not for power transfer)