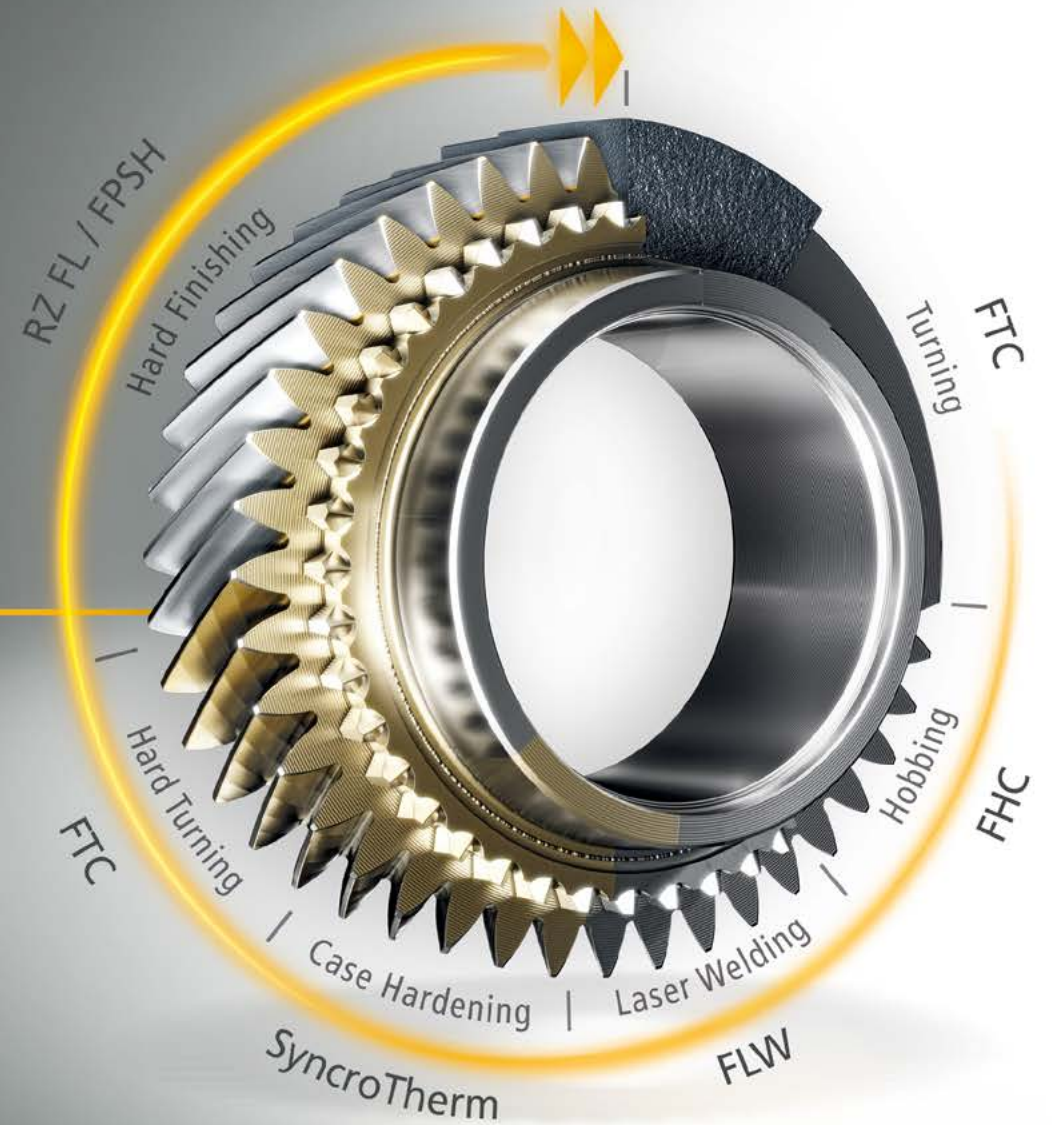


# FLEXLINE

When every second counts



# Flexline – One Piece Flow

Efficient, cost-effective and in top quality

## Value added

With the Flexline, Felsomat is offering a highly productive solution for the gear manufacturing process. Aside from the machine tools, the path from rough part to finished part also includes the complete work piece handling – without any interfaces, all from a single source.

## Time

With an intelligent configuration, our machine tools are always making chips. No idle times, neither in turning nor in hobbing – chip to chip time <1 sec. Thanks to the 2-spindle design of our machines, the loading and unloading, as well as the chamfering and deburring is done in parallel to the machining process.

## Quality

The design principles of our machines are based on traditional German quality standards. Particular emphasis is placed on short strokes and high mechanical rigidity. From spindles to turrets, from rail guides to cast concrete machine bases and controls, only high quality components are used in the manufacture of our products.



### FTC Flexible Turning Center

**High precision turned parts equal to grinding quality**

- ▶ Chip to chip time < 1 sec
- ▶ Changeover time < 2 min

### FHC Flexible Hobbing Center

**Minimal idle times in the process**

- ▶ Chip to chip time < 1 sec
- ▶ Shortened machining time due to high material removal rates
- ▶ Lowest unit costs

### FLW Laser Welding Center

**State of the art technology in laser welding**

- ▶ Solid state laser with up to four independently controlled laser beams (Trumpf TruDisk Laser)
- ▶ Distribution of the laser beams with fiber optic cable
- ▶ Compact design

### SyncroTherm Heat Treatment Furnace

**Case hardening within minutes**

- ▶ Heat treatment in an one piece flow
- ▶ Highest precision on the work piece

### FPSH – Felsomat Power Speed Honing

**Efficient and economical hard finish gear cutting**

- ▶ Twist free gear flanks or defined twist according to customers specification
- ▶ Cycle time reduction using adaptiv honing based on roll-checker data reliability

### RZ 160 FL Gear Grinding Machine

**Innovation based on experience**

- ▶ Low noise surface structures on the tooth flank due to LowNoise shifting technology
- ▶ Compensation for grinding wheel wear by continuous shifting for maximum productivity and process reliability

REISHAUER  
GROUP

REISHAUER

FELSOMAT

Felsomat GmbH & Co. KG  
Gutenbergstraße 13  
75203 Königsbach-Stein  
Germany  
Phone +49 72 32-4 01-0  
Fax +49 72 32-4 01-149  
info@felsomat.de  
www.felsomat.de

Felsomat USA, Inc.  
1700 N. Penny Lane  
Schaumburg, IL 60173  
USA  
Phone +1 847-9 95 10 86  
Fax +1 847-8 85 26 91  
info@felsomat.com  
www.felsomat.com

Felsomat China  
FELSOMAT (Beijing) Machine Tool Co., Ltd.  
Room 2009, Tower A, Sanlitun SOHO  
No.8 Gongti North Road  
Chaoyang District, Beijing 100027  
P. R. China  
Phone +86 10 57 85 31 30  
Fax +86 10 57 85 31 71  
info@felsomat.cn  
www.felsomat.com

Felsomat India Pvt. Ltd.  
#A-149, 3rd Cross  
Industrial Estate,  
Peenya 1st Stage  
Bangalore 560058  
India  
Phone +91 80 28 39 32 23  
Fax +91 80 28 39 32 23  
bhat@felsomat.in  
www.felsomat.in

