

Dietl Feinmechanik – Trust in Motion

For more than 100 years we have been the engine for your success. We satisfy the highest requirements in precision: small parts with a HUGE IMPACT!



Gearing

Type of gearing	Outer- \varnothing to	Module
Worms one-/multi-start threads	\varnothing 40 mm	0,25 - 2,0
Worm gears	\varnothing 110 mm	0,25 - 2,0
Spur gears straight-/helical toothing	\varnothing 110 mm	0,25 - 2,0
Bevel gear wheels	\varnothing 30 mm	0,25 - 1,0
Internal tooth punching	\varnothing 100 mm	0,30 - 1,0
External tooth punching	\varnothing 80 mm	0,30 - 1,0
Toothed belt wheels	\varnothing 100 mm	div. itches, HTD
Sprockets	\varnothing 100 mm	Max. pitch 8 mm

Our product range covers almost every type of special toothing according to your specifications. We also produce customized high precision connections, combining various materials.

Milling

With our CNC milling machines and vertical machining centers we can produce every possible precision part:

from small components to large work pieces

- Maximum work range:
X 1.000 mm, Y 600 mm, Z 500 mm
- Individual or series production
- Prototype and fixture construction
- Processing of all machinable materials
- Direct implementation of your CAD files, yielding highly precise results.

Grinding

Grinding technique	Outer- \varnothing	max. length
Cylindrical grinding between centers	\varnothing 1,5 - 40 mm	250 mm
Centerless grinding	\varnothing 3,0 - 45 mm	160 mm
Infeed grinding	\varnothing 2,0 - 15 mm	70 mm
Throughfeed grinding	\varnothing 2,0 - 35 mm	1.000 mm
Honing	\varnothing 2,0 - 30 mm	diverse, on request

Turning

- **Long turned parts:** \varnothing 3 mm – 20 mm, y-Achse bis \varnothing 16mm
- **Short turned parts:** y-Axis up to \varnothing 42 mm
- **Turning from rod:** \varnothing 3 mm – 65 mm
- **Chuck components:** bis \varnothing 140 mm

Further production range

- Thread rolling
- Grind, groove, clear
- Wire-cut and die sinker EDM
- Automatic band saw
- Flanging / wobble rivet

Quality

Your satisfaction is our mission. In order to maintain the highest quality, our experienced employees check your products more often than demanded by DIN EN ISO 9001:2008. Our quality controls are conducted throughout all production cycles and start with the examination of the materials and primary products. All parts are subject to final examination.