

Wikov besides designing and manufacturing of gears, gearboxes and complete drive systems offers one-off machine operations as a part of subcontracting orders. Such type of work may involve turning (including vertical turning), shaping, hobbing, grinding the gearing or diameters, CNC machining, heat treatment and many other operations.

We use state-of-the-art machine tools. All operations are controlled and assessed using first class measuring devices. Gearing geometry is verified on the Klingelnberg P300 machine. All the dimensions, parameters, list of machines and operations mentioned in this brochure are to give you a rough outline; for more detailed information, contact us using contact details below.

Production and Machine Tools

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The Essence of Engineering



Lathes

Dimensions of semi-finished products

up to \varnothing 1600 x L = 4000 mm (turning)

Machines

Geminis GHT 6
MASTURN 70/2000 CNC
SU 50A, SU 90A, SU80
BIGLIA B1250
Adate SA 160 CNC

Vertical lathes

Dimensions of semi-finished products

up to \varnothing 2500 x L = 2000 mm (turning)
Max. weight 15 000 kg

Machines

FERMAT VLC 2000
SK12 and TDZ VLC 2500

Gear shaping machines

Module

1-16

Pitch diameter

20-2000 mm

Max. face width

350 mm

Roughness

Ra 3,2 – 6,3

Accuracy

DIN 3961 IT8

Max. weight

20 000 kg

Internal helical gear hobbing to be consulted

Machines

Gleason-Pfauter P1600/2000S
Lorenz 1250 S
Lorenz LS 1000 CNC
ZSTW2 1000

Gear hobbing machines

Module

2-32 /20

Pitch diameter

60-3500 mm

Max. face width

1200 mm 3400

Max. pinion length

mm

Roughness

Ra 3,2

Accuracy

DIN 3961 IT 9(8)

Max. weight

30 000 kg

Machines

Gleason-Pfauter P2400/2800
OF 71-II A
Schiess RWF 10
Pfauter P400
Pfauter P1000CNC
Modul Werke ZFWZ 3150



Profile grinding machines

Module external/internal

0,5- 32 20

Pitch diameter

50-280 \varnothing mm

Max. face width

1300 mm in dependence on β angle

Max. pinion length

2500 mm

Roughness

Ra 0,8

Accuracy

DIN 3961 IT 4

Max. weight

8 000 kg; pinion 3 000 kg

Machines

Gleason-Pfauter P 2400 G
Niles ZP 20
Niles ZP 08
Höfler Rapid 800 K



Machine centres

Travel X x Y x Z

3500 x 2000 x 1250 mm

Semi-finished products welded, casted up to 12 000 kg

Pitch accuracy

\pm 0,02 mm

Machines

Hartford Mirage HEP-2150AG
WHQ 13 CNC
W100



Centre grinders

Dimensions of semi-finished products

up to \varnothing 850 x L = 3000 mm

Max. weight

3 000 kg

Machine

BUC 85 CNC

Heat treatment

Type of heat treatment	Charge		Temperature (°C)
	max. useful dimensions (mm)	max. mass (kg)	
Annealing – various types	\varnothing x l	1500 x 1980	200
			650