

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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EN2210



The Essence of Engineering



Lathes

Dimensions of semi-finished products	up to Ø 1300 x L = 4000 mm (turning)
Machines	Geminis GHT 6 MASTURN 70/2000 CNC SU 50A, SU 90A, SU80 BIGLIA B1250 WFL M35 G

Vertical lathes

Dimensions of semi-finished products	do Ø 5000 x L = 2000 mm
Max. weight	40 000 kg
Machines	FERMAT VLC 2000 SK12 and SKJ 25/50



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
Max. pinion length	3400 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 P900 Pfauter P400 Pfauter P1000CNC Volman FO 16 Modul Werke ZFWZ 3150



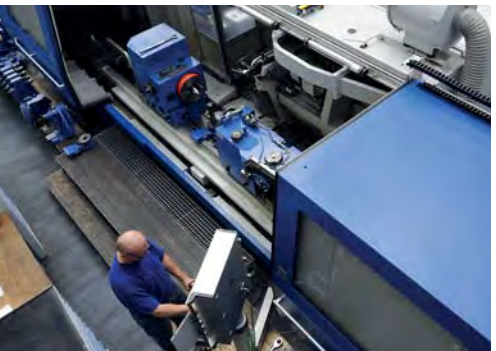
Profile grinding machines

Module external/internal	0,5-32 / 20
Pitch diameter	50-2800 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
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	±0,02 mm
Machines	Hartford Mirage HEP-2150AG WHQ 13 CNC W100



Centre grinders

Dimensions of semi-finished products	do Ø 850 x L = 3000 mm
Max. weight	3 000 kg
Machines	BUC 85 CNC

Heat treatment

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