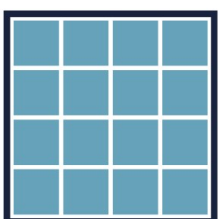


MACHINERY LIST



MEETING
METAL
CHALLENGES



VAN HOOFF GROEP

HMF nederland
VAN EIJK transmissie
NIMA speciaalwerk

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GEAR CUTTING AND
MACHINING

Machinery List Van Hoof Groep

Gear cutting, Machining and
Sheet metalworking

TURNING									
Brand	Type	Details	Operating range (in mm)	Max. Diameter (in mm)	Max. RPM Spindle	Max. RPM Tools	Tool shank	Positions Turret / stations	Extra information
Okuma	Multus U4000	Turning/milling combination Double spindle	Ø650x1500	Ø650	4200 RPM	12000 RPM	HSK-A63	Turret A: 80 Turret B: 12	With BMO robot and bar feeder
Okuma	Multus U3000	Turning/milling combination	Ø650x1500	Ø650	4200 RPM	12000 RPM			With BMO robot
Okuma	LB35			Ø500	2800 RPM		VDI-50	Turret: 12	
Okuma	LB35M	Powered tools		Ø460	2200 RPM	2000 RPM	VDI-50	Turret: 12	
Okuma	Multus B400	Turning/milling combination	Ø400x2000	Ø400	3000 RPM	10000 RPM	HSK-63/A	Tool magazine: 80	Holder: Ø65 - Ø280mm
Okuma	Spaceturn LB300M	With robot		Ø225	3000 RPM		VDI-40	Turret: 12 Stations: 5+1	
Okuma	Spaceturn LB300M			Ø300	3000 RPM		VDI-40	Turret: 12	
Okuma	LU15M	2 turrets Powered tools with bar feed		Ø400	3000 RPM	4000 RPM	VDI-40	Turret A: 12 Turret B: 8	Max. bar feed: Ø60x1000mm
Okuma	Simul Turn LU300M	Turning/milling combination Double spindle with bar feed	Ø370x1000	Ø370	3500 RPM	4000 RPM	VDI-40	Turret A: 12 Turret B: 8	Max. bar feed: Steel: Ø55x1000mm Aluminium/plastic: Ø70x1000mm
Okuma	Macturn 350W	Turning/milling combination Double spindle with bar feed	Ø250x1500	Ø250	Spindle 1: 3000 RPM Spindle 2: 3000 RPM	10000 RPM	Turret A: HSK-63/A Turret B: VDI-40	Turret A: 44 Turret B: 12	Max. bar feed: Ø72x1000mm
Colchester	Triumph 2500	Conventional lathe With digital reading		Ø250			Square 25mm		
Schaublin	125-CNN	Conventional lathe		Ø240	6000 RPM		VDI-20	Turret: 8	

MILLING									
Brand	Type	Details	Operating range (in mm)	Max. Diameter (in mm)	Max. RPM spindle	Max. RPM Tools	Tool shank	Tool magazine / pallet positions	Extra information
Hermle	C42 U	5 axes With robot (24 pallet positions)	800x800x550				HSK-63/A	Toolmagazine: 258	Rotatable table 440mm
Hermle	C40	5 axes With robot (117 pallet positions)	850x700x500			18000 RPM	HSK-63/A	Tool magazine: 195 Pallet positions: 117 (Stark pallet)	Spindle cooler: 70 Bar Max. tool diameter and lenght: Ø80mm, 300mm
Hedelius	RS80	Travelling column machine	3 axes: 1825x800x600 Rotatable table: Ø750			12000 RPM	HSK-63/A	Tool magazine: 56	Spindle cooler: Standard: 25 Bar Raised: 40 Bar Max. tool diameter and lenght: Ø80mm, 330mm
Hermle	U630T	3 axes vertical	630x500x500			7000 RPM	ISO 40 DIN 69871	Tool magazine: 16	Spindle cooler: No
Okuma	MA400HA	Horizontal machining centre	500x500x500			15000 RPM	MAS BT40 - BIG plus	Tool magazine: 62	Spindle cooler: Yes Max. tool diameter and lenght: Ø125mm, 300mm
Okuma	MX55VA	With 4th axis	1050x560x400			12000 RPM	MAS BT40	Tool magazine: 30	Spindle cooler: Yes Max. tool diameter and lenght: Ø100mm, 300mm
Okuma	MU-5000V-L	5 axes - Mill turn With BMO robot loader	Ø500x600	Ø500	1000 RPM	12000 RPM	HSK-63/A/T	Tool magazine: 268 Pallet positions: 36	Spindle cooler: Yes Max. tool diameter and lenght: Ø125mm, 400mm
Okuma	M560-V-e	3 axes vertical	560x1300x600			8000 RPM	MAS BT40	Tool magazine: 32 Pallet positions: 36	Spindle cooler: Yes Max. tool diameter and lenght: Ø90mm, 300mm

GEAR CUTTING					
Brand	Type	Details	Operating range/ Max. diameter	Min. module	Max. module
Liebherr	LFS380	Gear shaping machine Internal robot with product magazine	Ø475	0,2	8
Liebherr	LC500	Gear hobbing machine	Ø550	0,2	11
Liebherr	LC280	Gear hobbing machine	Ø280	0,2	5
Liebherr	LCS380	Gear profile grinding machine	Ø450	0,8	9
Lorenz	SNJ5	Conventional gear shaping machine	Ø550	0,5	8

GRINDING						
Brand	Type	Details	Operating range	Max. diameter	Max. RPM spindle	Extra
Studer	Favorit 1000	CNC Cylindrical grinding	1000x350mm			With extra c– axis
Studer	S30	CNC Cylindrical grinding	650x250mm			
Jung	JF520	Surface grinding	600x200mm			
Jung	JF415P	Surface grinding	500x150mm			
Sunnen	EC3500	Honing with measurement control		Ø165mm	3000 RPM	
Sunnen	MBC-1805	Honing				

DIE-SINKER EDM			
Brand	Type	Details	Operating range
Sodick	AL60G	Automatic Tool Changer 32	600x420x370 mm

QUALITY			
Brand	Type	Details	Measuring range
Leitz	Reference XE	3D coordinate measuring machine	1000x600x600 mm
Leitz	Reference XI	3D coordinate measuring machine	1500x900x700 mm
Mitutoyo	Linear height 600	Height gauge with face plate	1200x800x600 mm
Mitutoyo	SJ400	Surface roughness tester	
Innovatest	600MBDL	Rockwell hardness tester	
Nikon	Shadomaster	Shadow contour projector	
Zoller	SAT2 V420/E	Pre-setting tool	
Klingelnberg	P40	Gear measuring machine	Max. Ø400 mm
Trimos		Digital height gauge	
Mitutoyo	Formtracer Avant S4	Contourscanner	Up to 0.8 microns

SOFTWARE		
Software	Type	Type
KISSsoft		Gear calculation
Autodesk Inventor		CAD software
ESPRIT		CAM software
HEXAGON Edgecam		CAM software

BROACHING				
Brand	Details	Operating range	Max. diameter	Maximum traction
Rausch	Horizontal broaching machine	1000mm	Ø560mm	Vc=3 m/min (60 kN) Vc=5 m/min (40 kN)

CLEANROOM	
Brand	Type
Cleanroom	Grade 4

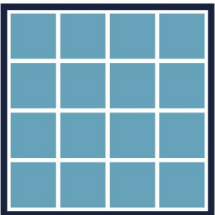
CLEANING / SAWING / VIBRATORY FINISHING / BENCH WORK
Various Honing- and Tap machines

We can take care of outsourcing such as heat treatments, spraying, painting, black oxidizing and galvanizing for you.

SHEET METALWORKING

LASERCUTTING			
Brand	Type	Specs	Details
Trumpf	Trulaser 5030 Fiber (L76)	12Kw Steel: 3000x1500x50mm Stainless steel: 3000x1500x50mm Alu: 3000x1500x40mm	Liftmaster Compact
PUNCHING/NIBBLING			
Brand	Type	Specs	Details
Trumpf	Trumatic 7000	3,2Kw	Sheetmaster with
	Punch/laser combination	Steel: 3000x1500x4mm	TruStore Magazijn
		Stainless steel: 3000x1500x3mm	
		Aluminium: 3000x1500x4mm	
Euromac	XP 750/25 Punching machine	Steel: 3000x15000x4mm Stainless steel: 3000x15000x3mm Aluminium: 3000x15000x4mm	
FOLDING/BENDING			
Brand	Type	Specs	Type machine
Trumpf	Trubend 5230	230 ton - 4000mm	Bending machine
Trumpf	Trubend 5050	50 ton - 1250mm	Bending machine
Trumpf	Trubend 5130	130 ton - 3000mm	Bending machine
Trumpf	Trubend 5170	170 ton - 3000mm	Bending machine
RAS	Flexibend	Steel: 3000x2mm	Folding machine
ROLLING	Various Rolling Machines		
GRINDING			
Brand	Type	Specs	Details
Kuhlmeyer	ZBS	Max. 3000mm	Langband machine
WELDING			
Brand	Type	Specs	Details
Trumpf	TruLaser Weld 1000	3Kw	Laser welding robot
OTC	FD-V8L	Max. 3000x1000mm	Synchrofeed Weldingrobot with manipulator and offline programming soft-ware
		M3 t/m M10	Electronic quality control
CEA	Spotwelding PPN 83	80KVA	
Tecna	Spotwelding	48 KVA	
CO2 (MIG/MAG)		Steel, Aluminium and Stainless steel	
TIG		Steel, Aluminium and Stainless steel	
DEBURRING			
Brand	Type	Specs	Details
Timesavers	42 serie RB1350	1350mm	Automated deburring
SOFTWARE			
Brand	Type	Specs	
Autodesk	Inventor	Parametric 3D drawing software	
Trumpf	TruTops Boost	Software for 2D/3D construction and programming on laser-, punch– and bending machines	
Trumpf	TecZone Bend	Software for extern programming of bendingmachines.	
Trumpf	Oseon Grow	Modules: Production, Programming and Storage	
MEASURING			
Brand	Type	Specs	Details
Leitz	Reference XI	3D measuring machine	Range 1500x900x700mm
SAWING			
Brand	Type	Specs	
Kasto	Twin A4	Band saw machine (horizontal)	
Kasto	SSB A2	Band saw machine (vertical)	
INSERTPRESSING			
Brand	Type	Details	
Haeger	618 plus-H	Auto feeding press nuts/standoff M3 - M10	

We can take care of surface treatments such as powder coating, pickling-passivation and galvanizing.



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