

## Machinepark Anvil Industries

# VDB Machinefabriek

## Cnc Milling-machines / Machining Centres

Units	Type	Machinery	Type	Reach	Automation	Control
1	Vertical	Matsuura	RA 1	510 x 400 x 460	2 Pallet changer	Yasnac
1	Vertical	Matsuura	RA 2F	600 x 420 x 460	2 Pallet changer	Yasnac
1	Vertical	Matsuura	RA 4	1020 x 560 x 640	2 Pallet changer	Yasnac
1	Vertical	Matsuura	MC 1000	1020 x 560 x 640	-	Yasnac
2	Horizontal	Matsuura	ES 450 horizontal	300 x 450 x 450 Ø400	2 Pallet changer	Yasnac
1	Vertical	Hartford	LG 1000	1000 x 630 x 630	Erowa robot	Fanuc 21i
1	Vertical	Ares Seiki	R 4530	500 x 410 x 410	-	Fanuc 21i
1	Vertical	Mazak	VTC 200	1740 x 560 x 660	2 Pallet	Mazatrol
1	Vertical	Mazak	VTC 300	1740 x 760 x 660	2 Pallet	Mazatrol

Units	Type	Machinery	Type	Reach	Automation	Control
1	Vertical	Mazak	Nexus 510	1040 x 560 x 660	System 3R 16 Palletchanger	Mazatrol
1	5 axis	Mazak	Variaxis J 500	510 x 510 x 480	BMO product handling robot	Mazatrol
1	5 axis	Mazak	Variaxis 500	510 x 510 x 460		Mazatrol
2	5 axis	Mazak	Variaxis 500 II	510 x 510 x 460	FMS 40 Pallets	Mazatrol
1	5 axis	Mazak	Variaxis 730	760 x 850 x 560	FMS 12 pallets	Mazatrol
2	5 axis	Mazak	Variaxis I800	760 x 850 x 560	BMO FMS 36 Pallets	Mazatrol
1	Horizontal	Okuma Howa	HMC 630	1020 x 820 x 820 Ø600	FMS 12 pallets	Fanuc

## CNC Lathes

Units	Machinery	Type	Max. Bar Capacity	Reach	Automation	Control
1	Mazak	Nexus 200 M, driven tools	65	200 x 500	LNS quick load	Mazatrol
1	Mazak	SQT 250 MY, driven tools	65	250 x 1000	LNS quick load	Mazatrol
1	Mazak	SQT 350 MY, driven tools	65	350 x 1000	-	Mazatrol

## Multitasking Machining Centres

Units	Machinery	Type	Max. Bar Capacity	Reach	Automation	Control
1	Mazak	Integrex 200	65	250 x 1000	LNS quick load	Mazatrol

## CNC Sawing Machine

Units	Machinery	Type	Reach
1	Beringer	HBC 360a automatic bandsaw	Ø360
1	Kaltenbach	KKS 400	Ø120
1	Bewo	350	Ø100

## CNC Measuring Equipment

Units	Machinery	Type	Dimension
1	Mitutoyo	CMM – Crysta-Apex A9166	1500 x 900 x 600
1	Mitutoyo	CMM – Crysta-Apex S574	750 x 400 x 400
1	Tesa	Micro hite 900	900
1	Tesa	Micro hite 700	700

<b>Units</b>	<b>Machinery</b>	<b>Type</b>	<b>Dimension</b>
1	Mitutoyo	LH600E	600
1	Mitutoyo	Projector PJA3000	-
1	Trimos	Vertical3	500
1	Mitutoyo	QM height	600

## **CAM programming facilities**

<b>Units</b>	<b>Machinery</b>	<b>Type</b>	<b>Dimension</b>
3	Desktop/laptop	3D/5D CAM Esprit	

# Rols Machineonderdelen

## CNC Milling-machines / Machining Centres

Units	Type	Machinery	Type	Reach	Automation	Control
1	5 Axis	DMG	DMU 50 T	500 x 500 x 350 5 axis	-	Heidenhain
1	5 Axis	Mazak	J500	500 x 400 x 400	-	Mazatrol
1	5 Axis	Hedelius	RS 605	500 x 380 x 380 5-axis	Kawasaki robot 60 kg, 40 pallets	Heidenhain
1	5 Axis	Hedelius	RS 80 KL	1800 x 800 x 800 Ø800	2 pallet	Heidenhain
1	5 Axis	Hedelius	Tiltenta T7	2600 x 750 x 750 Ø1100	Kawasaki robot 125 Kg, 30 pallets	Heidenhain
1	5 Axis	Hedelius	Tiltenta T9	3600 x 900 x 900 Ø 1300	Kawasaki robot 210 Kg, 30 pallets	Heidenhain
2	5 Axis	Hedelius	Acura 65	700 x 600 x 520 5 axis	Indunorm lineair robot 125 kg, 300 pallets	Heidenhain
1	Vertical, 4th axis	Hedelius	BC 100	6500 x 1000 x 770	2 Pallet	Heidenhain
1	Vertical	Hedelius	CB 60	2000 x 550 x 550	2 Pallet	Heidenhain

<b>Units</b>	<b>Type</b>	<b>Machinery</b>	<b>Type</b>	<b>Reach</b>	<b>Automation</b>	<b>Control</b>
1	Vertical	Hartford	MVP10	1050 x 530 x 630	Autowell Robot	Fanuc
1	Vertical, 4th axis	Hartford	MVP10	1050 x 530 x 630	Autowell Robot	Fanuc
1	5 Axis	Fanuc	T21iB	700 x 400 x 330 5-axis	Toshiba robot 3 kg	Fanuc
1	5 Axis	Fanuc	T21iBL	500 x 400 x 330 5-axis	Kawasaki robot 3 kg	Fanuc
1	Vertical, 4th axis	Fanuc	T14iBL	700 x 400 x 330 Ø160	Kawasaki robot 3 kg	Fanuc
1	Vertical, 4th axis	Fanuc	T14iBL	500 x 400 x 330 Ø160	-	Fanuc
6	5 Axis	Haas	UMC 750/750SS	750 x 500 x 500	Kawasaki robot 20 kg	Haas
2	5 Axis	Haas	UMC 750	750 x 500 x 500	Kawasaki robot 80 kg, 45 pallets	Haas
3	5 Axis	Haas	UMC 750	750 x 500 x 500	-	Haas
1	5 Axis	Haas	DT1	200 x 200 x 200	Kawasaki robot 10 kg	Haas
2	5 Axis	Haas	VF3SS	1020 x 510 x 635	Kawasaki robot 20 kg	Haas
4	5 Axis	Haas	VF2SS	760 x 405 x 510 5 axis	Kawasaki robot 10 kg	Haas
1	Vertical, 4th axis	Haas	VF2 SS	760 x 405 x 510 Ø250	Kawasaki robot 10 kg	Haas

Units	Type	Machinery	Type	Reach	Automation	Control
1	Vertical, 4th axis	Haas	VF1	510 x 400 x 350	-	Haas
2	Vertical, 4th axis	Haas	VF6	1625 x 815 x 760 Ø350	-	Haas
1	Vertical	Haas	GR 510	3000 x 1500 x 300	-	Haas

## CNC Lathes

Units	Machinery	Type	Max. Bar Capacity	Reach	Automation	Control
1	Star	SB16 type C, sub spindle	16	Swiss type Ø16	FMB 3m	Fanuc
1	Star	SB16 type C, sub spindle	16	Swiss type Ø16	FMB 3m	Fanuc
1	Star	ECAS 20, sub spindle	20	Swiss type Ø20	FMB 3m	Fanuc
1	Okuma	Soarer 270E	52	200 x 500	-	Okuma
1	Okuma	Soarer 270E	52	200 x 500	LNS ecoload	Okuma
1	Mazak	Nexus MSY 250, driven tools, y- axis, sub spindle	70	250 x 500	LNS quick load and Kawasaki 20 kg robot	Mazatrol
1	Mazak	Nexus MSY 200, driven tools, y-axis, sub spindle	65	200 x 500	LNS quick load and Kawasaki 20 kg robot	Mazatrol

Units	Machinery	Type	Max. Bar Capacity	Reach	Automation	Control
1	Mazak	Nexus MY 200, driven tools, y axis	65	200 x 500	LNS quick load and Kawasaki 20 kg robot	Mazatrol
1	Mazak	MSY 200, driven tools, y axis ,sub spindle	65	200 x 500	LNS quick load	Mazatrol
2	Mazak	MSY 300, driven tools, y axis ,sub spindle	80	250 x 500	LNS quick load	Mazatrol
1	Mazak	Megaturn 600	-	600 x 350	Kawasaki Robot 210 kg	Mazatrol
1	DMG Gildemeister	Sprint 65 3 turrets, driven tools, Y axis, sub spindle	65	200 x 500	LNS quick load	Fanuc
1	DMG Gildemeister	Sprint 65 3 turrets, driven tools, Y axis, sub spindle	65	200 x 500	LNS quick load	Fanuc
1	Deawoo	Puma 230 MS, driven tools, sub spindle	40	200 x 500	LNS quick load	Fanuc
1	Deawoo	Puma 230 MS, driven tools, sub spindle	65	200 x 500	LNS quick Load	Fanuc

## CNC Sawing Machine



**Units Machinery****Type****Reach**

1 Kasto

Twin A2 automatic bandsaw

Ø260

<b>Units</b>	<b>Machinery</b>	<b>Type</b>	<b>Reach</b>
1	Kasto	Twin A4 automatic bandsaw	Ø400

## Sheet Metal Work

<b>Units</b>	<b>Machinery</b>	<b>Machinery</b>	<b>Dimension</b>
1	Beyeler	Press brake CNC	3m, 150 ton
1	Safan	Plate shear CNC	3m, 6-8mm
2	Euromac	Electric roller	L=1000mm, L=3000mm

# Welding

Units	Machinery	Machinery	Process
1	Panasonic robot	Welding robot 8 axis Cabin with 7th and 8th axis manipulator 500 kg. Reach 1000 x 1000 x 600	MIG
2	OTC robot	Welding robot 8 axis Cabin with 7th and 8th axis manipulator 350 kg. Reach 1000 x 1000 x 600	TIG
1	Migatronic	250/350/500 A	TIG/MIG/MAG

# CNC Measuring Equipment

Units	Machinery	Type	Dimension
1	Mitutoyo	CMM – Crysta-Apec S9166	1600 x 900 x 600
1	Mitutoyo	CMM – Crysta-Apec S7106	1005 x 705 x 605
1	Mitutoyo	CMM – Crysta Apac S544	505 x 405 x 405
1	Mitutoyo	CMM - Contracer CV-3100S4	
3	Tesa	Micro Hite 600	600
1	Tesa	Micro Hite 900	900

# Jansen Machining Technology

## CNC Lathes

Units	Manufacturer	Type	Max. Bar Capacity	Reach	Automation	Control
2	Citizen	L20-VIII	20	Swiss type Ø20	Barfeeder	Mitsubishi
1	Citizen	M12-V	12	Swiss type Ø12	Barfeeder	Mitsubishi
1	Citizen	M16-VIII	16	Swiss type Ø16	Barfeeder	Mitsubishi
1	Citizen	M16-V	16	Swiss type Ø16	Barfeeder	Mitsubishi
2	Citizen	M32-V	32	Swiss type Ø32	Barfeeder	Mitsubishi
1	Mori Seiki	SL150MC	42	Ø150	Barfeeder	Fanuc
1	Mori Seiki	SL250MC	-	Ø150	-	Fanuc
1	Nakamura	Tome SC250	-	Ø150	-	Fanuc
1	Nakamura	Tome WT-100	65	Ø150	Barfeeder	Fanuc
2	Nakamura	Tome WT-150	65	Ø150	Barfeeder	Fanuc
1	Nakamura	Tome NTJ	65	Ø150	Barfeeder	Fanuc
1	Benzinger	Doolittle	25	Ø50	Barfeeder	Fanuc

Units	Manufacturer	Type	Max. Bar Capacity	Reach	Automation	Control
1	Schaublin	110 CNC	25	Ø50	Barfeeder	Fanuc
1	Spinner	SB CNC	-	Ø30	-	Fanuc
1	Tornos	125 CCN	-	Ø30	-	Fanuc
1	Mazak	QUICK TURN 200MSY - SmoothG	-	Ø150	Robojob Robot 30kg	Mazatrol

## CNC Multitasking

Units	Manufacturer	Type	Max. Bar Capacity	Reach	Automation	Control
2	Mazak	Integrex I200ST	65	Ø250	Barfeeder + Robot 80kg	Mazatrol

## CNC Milling Centres

Units	Manufacturer	Type	Axis	Reach	Automation	Control
1	Victor	V-Center A72	4 Axis	720x450x400	-	Fanuc
1	Mori Seike	NV5000	4 Axis	840x45x400	-	Fanuc
1	Fanuc Robodrill	Alpha T10B	4 Axis	600x350x300	-	Fanuc
1	Mazak	Variaxis I300AWC	5 Axis	360x660x310	Robot 40 pallets	Mazatrol

## CNC Measuring Equipment

Units	Manufacturer	Type
1	Wenzel	LH 54
1	QPT	ConturoMatic T2

## Vision Control/Deburring

Units	Manufacturer	Type	Magnifying
4	Mantis	Elite	8x
1	Carl Zeiss	-	40x

# Job Precision

## Surface grinders

Units	Make	Size
1	Jung HF50	500x200
1	Jung JF 415 Optidress E	400x150
3	Jung JF 520 Optidress	600x200
1	Jung J 630 CNC-C	500x260
1	Jung CNC A	450x260

## Cylindrical grinders

Units	Make	Size
1	Tschudin HTG 310	Ø200x340
1	Tschudin HTG 610 U	Ø300x680
1	Studer S20 CNC	Ø200x400
1	Studer CNC S21 Lean	Ø250x400



**Units Make**

**Size**

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1	Studer S31 CNC	Ø350x1000
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## Jiggrinding machine

**Units Make**

**Size**

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1	Hauser S3A	400x250
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## EDM machines

**Units Make**

**Size**

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1	From X400 with robot	400x300
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1	Charmilles Roboform 2000	400x320
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1	Charmilles Roboform 31	350x250
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## Wire EDM machines

**Units Make**

**Size**

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1	Charmilles Robofil 2020 SI	250x350
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1	Charmilles Robofil 2030 SI	250x350
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1	Charmilles Robofil 2030 SI twin wire	250x350
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<b>Units</b>	<b>Make</b>	<b>Size</b>
1	Charmilles 440 CC	550x350
2	GF Cut 300 SP + robot	550x350

## Starthole EDM machines

<b>Units</b>	<b>Make</b>	<b>Size</b>
1	Charmilles HB8	350x250
1	Drill 20	300x200

## Surface finish/polish machines

<b>Units</b>	<b>Make</b>	<b>Size</b>
4	Stähli FLM 550	Ø220
2	Buckardt 8M	Ø280

## Honing machine

<b>Units</b>	<b>Make</b>	<b>Size</b>
1	Sunnen MBB 1660G	Ø1,5 - Ø250

# Lathes

Units	Make	Size
2	AI Ergonomic	Ø280x375
1	DMT CD 322 CNC	Ø320x750
1	Hembrug Mikroturn 50 CNC	Ø240x100
1	Schaublin CNC 110	Ø115x300
1	Schaublin CNC 140	Ø300x360
1	Hembrug Mikroturn 100 CNC	Ø300x350

# Milling machines

Units	Make	Size
1	Hurco VMX 10i	660x410x510
2	Hurco VMX 30 T	760x510x610
1	Digma HSC 500 high speed milling	500x400x350
1	Hermle C22 5-axis	450x600x330
1	Yasda 640 V	600x450x500

Units	Make	Size
1	Yasda V40i Robot C-tafel Ø500	900x500x450
3	Yasda PX30i Robot C-tafel Ø400	680x400x500

## Measuring room

Units	Make	Size
5	Jena ZKM 150 microscoop	150x100
1	Hauser P215 projector	500x500
1	Nikon V 16E projector	285x192
1	Mitutoyo Strato Apex 7106	500x700
1	Mitutoyo Strato Apex 9166	900x1600
1	Mahr Contouroscop	
1	Mahr Formmeter F2P	
1	Heidenhain Certo	
2	Trimos 500	
1	Mahr Digimar 817 CI	
1	Mitutoyo Laserscan LSM 105V	Ø25

Units	Make	Size
1	Mikroscoop Leitz	100x100

## Additional equipment

Units	Make	Size
1	BRM Fiberlasers	
2	lepcu peenmatic	
1	Branson ultrasoon	
1	Kasto PSB 280U	Ø280

## CAD/CAM

Units	Make	Size
3	Unigraphics NX 12	
5	Hypermill	
1	Cam Tool	
4	Peps	