

## Machinepark Anvil Industries

# 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	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

Units	Manufacturer	Type	Max. Bar Capacity	Reach	Automation	Control
1	Benzinger	Doolittle	25	Ø50	Barfeeder	Fanuc
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
1	Mazak	200M	65	Ø200	LNS Quick Load	Mazatrol

## CNC Multitasking

Units	Manufacturer	Type	Max. Bar Capacity	Reach	Automation	Control
2	Mazak	Integrex I200ST	65	Ø250	Barfeeder + Robot 80kg	Mazatrol
1	Mazak	Integrex I630 V/6	-	Ø1050	Fastems Automation: 80 Machine pallets 90 pallets for raw material	Mazatrol
1	Mazak	Inte 200-3	65	Ø250	LNS Quick Load	Mazatrol

## CNC Milling Centres

Units	Manufacturer	Type	Axis	Reach	Automation	Control
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2	Mazak	I800	5 Axis	1020x820x820	FMS 12 pallets	Mazatrol
1	Mazak	Variaxis 730	5 Axis	760x850x560	FMS 12 pallets	Mazatrol
2	Mazak	Variaxis 500	5 Axis	510x510x460	FMS 40 pallets	Mazatrol
1	Mazak	J500 5X	5 Axis	510x510x460	Robot 40 pallets	Mazatrol
1	Mazak	Variaxis I300AWC	5 Axis	360x660x310	Robot 40 pallets	Mazatrol
1	Mazak	HCN6000	4 Axis horizontal	800x800x800	Fastems Automation: 80 Machine pallets 90 pallets for raw material	Mazatrol
1	Okuma Howa 630	HOWA 630	4 Axis horizontal	1020x850x560	FMS 12 pallets	Fanuc
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	Matsuura RA1	RA1	3 Axis	510x400x460	2 pallets	Yasnac
1	Matsuura RA4	RA4	3 Axis	1020x560x640	2 pallets	Yasnac
1	Matsuura MC1000	MC1000	3 Axis	1020x560x640	-	Yasnac
1	Mazak VTC 200	VTC200	3 Axis	1740x560x660	-	Mazatrol
1	Mazak VTC 300	VTC300	3 Axis	1740x760x660	-	Mazatrol

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1	Mazak Nexus 510	NEXUS 510	3 Axis	1040x560x660	FMS 16 pallets	Mazatrol
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## CNC Measuring Equipment

Units	Manufacturer	Type
1	QPT	ConturoMatic T2
1	Mitutoyo	Crysta-Apex V 9166
1	Mitutoyo	Crysta-Apex S 574
1	Mitutoyo	Euro-Apex C 9166

## Vision Control/Deburring

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

# Rols Machineonderdelen

## CNC Milling-machines / Machining Centres

Units	Type	Machinery	Type	Reach	Automation	Control
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
1	5 Axis	Hedelius	Tiltenta T11	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	5 Axis	Hedelius	Acura 50	500 x 550 x 550 5 axis	Kawasaki robot 10 kg	Heidenhain

Units	Type	Machinery	Type	Reach	Automation	Control
1	5 Axis	Hedelius	Acura 50	500 x 550 x 550 5 axis	-	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
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, 22 pallets	Haas
3	5 Axis	Haas	UMC 750	750 x 500 x 500	-	Haas
1	5 Axis	Haas	UMC 500 SS	610 x 406 x 406	Kawasaki robot 10 kg	Haas
1	5 Axis	Haas	UMC 500	610 x 406 x 406	Kawasaki robot 10 kg	Haas
1	5 Axis	Haas	DT1	200 x 200 x 200	Kawasaki robot 10 kg	Haas

Units	Type	Machinery	Type	Reach	Automation	Control
2	5 Axis	Haas	VF3SS	1020 x 510 x 635	Kawasaki robot 20 kg	Haas
1	5 Axis	Haas	VF2SS	760 x 405 x 510 5 axis	Kawasaki robot 10 kg	Haas
1	Vertical	Haas	VF2 SS	760 x 405 x 510	-	Haas
1	Vertical, 4th axis	Haas	VF2 SS	760 x 405 x 510 Ø250	Kawasaki robot 10 kg	Haas
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

<b>Units</b>	<b>Machinery</b>	<b>Type</b>	<b>Max. Bar Capacity</b>	<b>Reach</b>	<b>Automation</b>	<b>Control</b>
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	Intergrex I-200S, y- axis, sub spindle	65	200 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
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
1	Mazak	MSY 350M, driven tools, y axis	-	200 x 500	-	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



Units	Machinery	Type	Max. Bar Capacity	Reach	Automation	Control
1	DMG Gildemeister	Sprint 65 3 turrets, driven tools, Y axis, sub spindle	65	200 x 500	LNS quick load	Fanuc

## CNC Sawing Machine

Units	Machinery	Type	Reach
1	Kasto	Twin A2 automatic bandsaw	Ø260
1	Kasto	Twin A4 automatic bandsaw	Ø400

## Sheet Metal Work

Units	Machinery	Machinery	Dimension
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
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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

# Job Precision

## Milling machines

Units	Make	Size
1	Digma HSC 500 high speed milling	500x400x350
2	Yasda 640 V	600x450x500
2	Yasda H40i Robot	680x400x500
1	Yasda V40i Robot C-tafel Ø500	900x500x450
6	Yasda PX30i Robot C-tafel Ø400	680x400x500

## Surface grinders

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

**Units Make**

**Size**

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1 Jung CNC A 500

450x260

## Hard Turning

**Units Make**

**Size**

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2 Hembrug Mikroturn 100 CNC

Ø300x350

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1 Hembrug Mikroturn 50 CNC

Ø240x100

## Lathes

**Units Make**

**Size**

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1 AI Ergonomic

Ø280x375

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1 DMT CD 322 CNC

Ø320x750

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1 Schaublin CNC 110

Ø115x300

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1 Schaublin CNC 125

Ø115x300

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1 Schaublin CNC 140

Ø300x360

## Wire EDM machines

**Units Make**

**Size**

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1	Charmilles Robofil 2030 SI	250x350
1	Charmilles Robofil 2030 SI twin wire	250x350
1	Charmilles 440 CC	550x350
3	GF Cut 300 SP + robot	550x350
6	GF Cut P550 + robot	350x350

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## EDM machines

Units	Make	Size
1	From X400 + robot	400x300

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## 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
1	Studer S31 CNC	Ø350x1000

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**Units Make**

**Size**

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1 Studer Favorit

Ø350x1000

## Jiggrinding machine

**Units Make**

**Size**

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1 Hauser S3A

400x250

## Starthole EDM machines

**Units Make**

**Size**

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1 Charmilles HB8

350x250

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1 Drill 20

300x200

## Surface finish/polish machines

**Units Make**

**Size**

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4 Stähli FLM 550

Ø220

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2 Buckardt 8M

Ø280

## Honing machine

**Units Make****Size**

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1	Sunnen MBB 1660G	Ø1,5 - Ø250
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## Measuring room

**Units Make****Size**

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5	Jena ZKM 150 microscoop	150 x 100
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1	Nikon V 16E projector	285 x 192
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1	Mitutoyo Strato Apex 7106	500 x 700
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3	Mitutoyo Strato Apex 9166	900 x 1600
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1	Mahr Contouroscoop	
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1	Mahr Formmeter F2P	
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1	Heidenhain Certo	
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2	Trimos 500	
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1	Mahr Digimar 817 CI	
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1	Mitutoyo Laserscan LSM 105V	Ø25
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1	Mikroscoop Leitz	100 x 100
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## Additional equipment

**Units** **Make**

**Size**

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1 BRM Fiberlasers

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2 lepco peenmatic

## CAD/CAM

**Units** **Make**

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3 Unigraphics NX

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5 Hypermill

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1 Cam Tool

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4 Peps

## Cleanroom

**Units** **Make**

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1 Cleanstraat



# Machinefabriek De Valk

## Milling / Freesmachines

Units	Make	Axes	Range
2	Hurco VMX 42t	3	1150 x 610 x 610
1	Hurco VMX 1	3	650 x 400 x 500
1	Hurco VM10i	3	650 x 400 x 500
1	Fadal VMC 3016	3	750 x 450 x 500
1	Fadal VMC 4525	3	1400 x 700 x 700
1	Akira Seiki RMV 250 RT met pallets	5	500 x 500 x 500
1	Hurco SRTI 60	5	1500 x 800 x 700
1	Haas UMC 500 SS met palletpool	5	500 x 400 x 500
1	Haas UMC 500 met robot	5	500 x 400 x 500
1	Haas UMC 750 met palletpool	5	750 x 600 x 600
1	Haas UMC 750	5	750 x 600 x 600

## Turning / Draaibanken

Units	Make	Range
1	Doosan Lynx met overnamespil en stafaanvoer	Tot Ø 40mm in tang, Ø200 in klauw
2	Takisawa EX 108	Ø 125x500
2	Femco	Ø 125x450
1	Pinacho instrumentendraaibank	Ø 45 mm in de tang
2	A.I. Hembrug instrumentendraaibank	Ø 25 mm in de tang

## Additive manufacturing Metals

Units	Make	Range
1	Metalfab 1 (2 cores, RVS316L en aluminium)	420 x 420 x 400

## Cleanroom

Units	Info	Size
1	100M2 cleanroom Iso Klasse 7 (10.000) t.b.v. assemblage fijnmechanische modules. Grade 4 / Grade 2 reinigingsstraat + Droogoven	420 x 420 x 400

# Software

## Units Info

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- 1 FUSION 360, Vector 3D, Solid works, Model Based Definition (MBD) (MPI), Materialise magics. IGES, STEP en DXF-files inlezen behoren tot de mogelijkheden

# Quality / Meetkamer

## Units Info

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- 1 Mitutoyo 3D CMM + diverse meet en controle middelen in geconditioneerde ruimte
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- 1 Zoller Smile 400
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- 1 Haas HTS400
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- 1 Mitutoyo hardheidsmeter
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- 1 Mitutoyo ruwheidsmeter
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- 1 Mitutoyo meetprojector
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- 1 Tesa digitale hoogtemeter

# Assembly / Montage

## Units Info

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- 2 Twee goed uitgeruste montagehallen (Totaal ca. 2000 m<sup>2</sup>)  
Constructieafdeling met diverse kolomboormachine en Tig/Mig lasapparatuur