

CAD/CAM production	Application	Location
Pro/ENGINEER	CAD 3D; STEP, Catia, Unigraphics compatible	Hittech MPP / Multin
Creo 4.0, Solid Works	CAD/CAM	Hittech Prontor GmbH
Solid Works	CAD 3D	Hittech Multin / Gieterij Nunspeet
SolidEdge	CAD 3D	Hittech Landes
Unigraphics	CAD 3D	Hittech Multin B.V.
OneSpace Designer Modelling	CAD 3D	Hittech Multin B.V.
OneSpace Designer Drafting	CAD 2D	Hittech Multin B.V.
EdgeCAM	CAM 3D; Turning,Milling	Hittech Bihca / MPP / Landes
Vericut	CAM verification and optimisation	Hittech Landes
PEPS V5.2	CAM 2D; Wire-EDM	Hittech Bihca B.V.
AutoCAD2002LT Mechanical 6, Mechanical Desktop	CAD 2D; Milling	Hittech Bihca / Prontor
MasterCAM	CAM 3D	Hittech Wemac Sdn. Bhd.
Solid Works	CAD 3D	Hittech Wemac Sdn. Bhd.
Quality control	Dimensions and Tolerances /Brand	Location
1 x Zeiss O-Inspect 345	300x400x500	Hittech Bihca B.V.
1 x Zeiss Contura G2	1200x1000x600	Hittech Bihca B.V.
1 x Zeiss Prismo 12/18/10 Fortis	1200x1800x1000	Hittech Bihca B.V.
1 x Zeiss Contura G2	1200x800x600	Hittech Multin B.V.
1 x Zeiss Contura G2	1200x1000x600	Hittech MPP B.V.
1 x Zeiss Contura G2	1200x1000x600	Hittech Prontor GmbH
	measurement inaccuracy 3D= 1,9 µm + L/350	
1 x Zeiss Prismo	700x900x650	Hittech MPP B.V.
2 x Zeiss Prismo	1200x1800x1000	Hittech Prontor GmbH
	measurement inaccuracy 3D= 1,5µm + L550	
1 x Zeiss Duramax	500x500x500	Hittech Prontor GmbH
1 x Zeiss Duramax	500x500x500	Hittech Wemac Sdn. Bhd.
	measurement inaccuracy 3D= 2,4 µm + L/300	
1 x Zeiss Spectrum	700x1000x600	Hittech Wemac Sdn. Bhd.
	measurement inaccuracy 3D= 1,8 µm + L/300	
1 x 3D Optisch CNC 220 measuring machine	220x150x100; 0,5 µm version	Hittech MPP B.V.
	measurement inaccuracy 3D= 5 µm + L/150	
1 x Novex Triono-Zoom Stereo-Microscope	RZT-PL with CCD color camera	Hittech Bihca B.V.
1 x Zeiss GOM scanner	GOM	Hittech Gieterij Nunspeet B.V.
1 x Röntgen-lab	Yxlon	Hittech Gieterij Nunspeet B.V.
1 x Spectro-lab	Spectro	Hittech Gieterij Nunspeet B.V.
1x Schutz & Licht tensile testing machine		Hittech Gieterij Nunspeet B.V.
1 x RGA Analyse	1000x700x500	Hittech Multin B.V.
1 x Keyence microscope VHX-7000	50x70x70	Hittech Multin B.V.
1 x Keyence microscope LM 1100	Optisches Messgerät	Hittech Prontor GmbH
1 x Mitutoyo Crysta Apex C9166	1600x900x600	Hittech Landes
1 x Mitutoyo Crysta Apex S9106	900x1000x800	Hittech Landes
Aluminum casting	Mould size / Brand	Location
1 x Automatic forming machine FA	800x650x400	Hittech Gieterij Nunspeet B.V.
1 x Automatic forming machine EFM	900x700x500	Hittech Gieterij Nunspeet B.V.
1 x Automatic Sandpreparartion(Core-shop)	Segab	Hittech Gieterij Nunspeet B.V.
2 x Core Shooting Machines	Vogel & Schemann	Hittech Gieterij Nunspeet B.V.
1 x Core Shooting Machine	Laempe LL-20	Hittech Gieterij Nunspeet B.V.
1 x Muldenband Blasting cabinet		Hittech Gieterij Nunspeet B.V.
1 x Hangbaan Blastingcabinie	Blasting Technic HB1000x1400-2	Hittech Gieterij Nunspeet B.V.
2 x annealing furnace	EliNo	Hittech Gieterij Nunspeet B.V.
1 x Automatic sand preparation	Segab	Hittech Gieterij Nunspeet B.V.
1 x Automatic sand test	Mischenfelder	Hittech Gieterij Nunspeet B.V.
4 x for melters	Morgan	Hittech Gieterij Nunspeet B.V.
5 x incinerator furnace	Morgan	Hittech Gieterij Nunspeet B.V.
2 x castrobot	ABB	Hittech Gieterij Nunspeet B.V.
2 x degassing tool		Hittech Gieterij Nunspeet B.V.
1 x casting Simulation (LCC)	LCC	Hittech Gieterij Nunspeet B.V.
1 x Automatic grinding robot	PS Autogrinding	Hittech Gieterij Nunspeet B.V.
CNC Turning	Range (D x L) mm	Location
1 x Okuma Space Turn LB300 MW	Ø36/370x500	Hittech Bihca B.V.
1 x Schaublin 125 CCN	Ø25/125x300	Hittech Bihca B.V.
1 x Okuma LB15M	Ø340x1000	Hittech Bihca B.V.
1 x NLX 1500	Ø380x500	Hittech Bihca B.V.
1 x Okuma Genos L300MY	Ø340x420 passage Ø70	Hittech Bihca B.V.
2 x Mikron LCE 500 T	Ø200x440	Hittech MPP B.V.
1 x CTX Beta 800 TC (turning/millingcombination)	Ø75x800	Hittech MPP B.V.
1 x Goodway GCL 2BL	Ø220x600	Hittech Wemac Sdn. Bhd.
2 x Goodway GLS150	Ø165x500	Hittech Wemac Sdn. Bhd.
2 x Star SV 32	Ø32x3000	Hittech Prontor GmbH
1 x Star SW 7	Ø10x3000	Hittech Prontor GmbH
2 x Tsugami HS 327	Ø32x3000	Hittech Prontor GmbH
1 x Tsugami P01	Ø3x3000	Hittech Prontor GmbH
1 x Index G200	Ø65x1000	Hittech Prontor GmbH
1 x Index G220	Ø90x1000	Hittech Prontor GmbH
3 x Index G300	Ø90x1000	Hittech Prontor GmbH
1 x Spinner PD	Ø100x120	Hittech Prontor GmbH
3 x Benzinger TNL	Ø100x100	Hittech Prontor GmbH
1 x CTX 500	Ø455x1000	Hittech Prontor GmbH
1 x CTX 800	Ø455x1000	Hittech Prontor GmbH
1 x Nakamura WT150 II	Ø190x515 Doorlaat ø65	Hittech Landes
1 x Gildemeister CTX 400 / S2	Ø305x600 Doorlaat ø65	Hittech Landes
1 x Schaublin 110 CNC-R	Ø25x200	Hittech Landes

Conventional Turning		Range (D x L) mm	Location	
	1 x Weiler Ergodor/conv.	Ø170x500	Hittech Bihca B.V.	
	1 x Schaublin 102 VM	Ø160x300	Hittech MPP B.V.	
	1 x Schaublin 150 (conv)	Ø300x500	Hittech MPP B.V.	
	1 x Schaublin 125	Ø240x500	Hittech Landes	
	1 x Ursus 225	Ø270x1500	Hittech Landes	
CNC- Milling		Range (X x Y x Z) in mm	Location	Axes
	1 x DMU 50 eVolution	500x420x380	Hittech MPP B.V.	5
hitech	3 x DMU 75 Monoblock	750x650x560 A-axis ±120° C-axis 360°	Hittech MPP B.V.	5
	1 x DMU 60P with erowa pallet loading	600x700x600	Hittech Bihca B.V.	5
	1 x DMU 65 with robot handling & 80 bar internal press.	735x650x560 A-axis ±120° C-axis 360°	Hittech Bihca B.V.	5
hitech	1 x DMU 65 Monoblock	750x650x560 A-as ±120° C-as 360°	Hittech MPP B.V.	5
	1 x DMU 50 eVolution	500x450x400	Hittech MPP B.V.	5
	1 x DMU 70 eVolution with robot / erowa pallet loading	750x600x520	Hittech Bihca B.V.	5
hitech	1 x DMU 60 eVolution with robot / erowa pallet loading	750x600x520	Hittech Bihca B.V.	5
	1 x Hermle C800U	800x600x500	Hittech MPP B.V.	5
	1 x DMU HSC 75, robot erowa pallet (73st.) load: 28,000 rpm	750x600x600	Hittech MPP B.V.	5
	1x DMU 105 Monoblock	1135x1050x750	Hittech MPP B.V.	5
hitech	3 x DMU 100P Duoblock (Pallet change)	1000x1250x1000	Hittech Bihca B.V.	5
hitech	1 x DMU 100P Duoblock	1250x1000x800	Hittech MPP B.V.	5
	1 x DMC100 U Duoblock (Pallet change)	1250x1000x800	Hittech MPP B.V.	5
	1 x DMU 50T (Handcontrolled 4e+5e As)	500x400x400	Hittech MPP B.V.	3 (5)
	5 x Mori Seiki SH-500 (Pallet change)	500x500x600	Hittech Bihca B.V.	4
	2 x Mori Seiki NHX5500	Ø800x1100	Hittech Bihca B.V.	4
	2 x Haas VF3/VF3YT	1016x508x635 / 1016x660x635	Hittech Bihca B.V.	4
	1 x Mikron/Haas HCE 400P (Pallet change)	600x500x350	Hittech MPP B.V.	4
	1 x Mikron VCP600 CNC	600x450x450	Hittech Bihca B.V.	3
	2 x DMG CMX 70U	750x600x520	Hittech Bihca B.V.	5
hitech	6 x Haas VM6/VF6SS	1626x813x762	Hittech Bihca B.V.	3 - 4
hitech	1 x Haas UMC-750 with Fanuc robot	752x508x508	Hittech Bihca B.V.	5
	1 x DMC 635 V eco	635x510x460	Hittech Bihca B.V.	3
	1 x Mikron/ Haas VCE 1000	1000x500x400	Hittech MPP B.V.	3
	1 x Mikron/ Haas VF3 Kawasaki Robotloader	1000x500x400	Hittech MPP B.V.	3
	2 x Deckel DMC 100V	1000x700x500	Hittech MPP B.V.	3
	1 x Fehlmann Picomax 60 , robot erowa pallet (50st.)	500x350x610	Hittech Bihca B.V.	3
	1 x Hartford PRO 800	850x510x510	Hittech Wemac Sdn. Bhd.	3
	1 x Dahlih MCV1020	1020x510x560	Hittech Wemac Sdn. Bhd.	3
	1 x Dahlih MCV 860 with indexing rotary axis Ø170 mm	860x550x550	Hittech Wemac Sdn. Bhd.	3 + 1
	1 x Hartford LG500	520x420x500	Hittech Wemac Sdn. Bhd.	3
	1 x Hartford LG500 with indexing rotary axis Ø170 mm	520x420x500	Hittech Wemac Sdn. Bhd.	3 + 1
	2 x Trident TR45E	450x300x300	Hittech Wemac Sdn. Bhd.	3
	2 x Fanuc Robodrill α-D21LiB	700x400x330	Hittech Wemac Sdn. Bhd.	4
	1 x Hartford LG800 with rotary axis Ø170 mm	800x510x630	Hittech Wemac Sdn. Bhd.	4
	1 x Hartford MVP-11AD	1100x600x630	Hittech Wemac Sdn. Bhd.	3
	2 x Hartford MVP-8AD with indexing rotary axis Ø170 mm	860x530x630	Hittech Wemac Sdn. Bhd.	4
	1 x Mikron WF31C	500x500x400	Hittech MPP B.V.	3
	1 x Stama MC325	500x300x350	Hittech Prontor GmbH	4
	1 x Stama MC726MT	520x400x360	Hittech Prontor GmbH	5
	3 x Stama MC526MMT	520x400x360	Hittech Prontor GmbH	5
	1 x Matsuura MAM 72-63 V	760x845x610	Hittech Prontor GmbH	5
	2 x Makino A55e	560x560x560	Hittech Prontor GmbH	4
	2 x Makino A51nx	560x560x560	Hittech Prontor GmbH	4
	2 x Mikron HPM 450 U	600x450x450	Hittech Prontor GmbH	5
	3 x Mikron HSM 600 U	600x450x450	Hittech Prontor GmbH	5
	1 x Mikron HSM 400 U	600x200x200	Hittech Prontor GmbH	5
hitech	1 x Mikron HSM 200 ULP	160x160x200	Hittech Prontor GmbH	5
	1 x Haas VF 2	760x400x400	Hittech Prontor GmbH	4
	1 x DMU 50 '3rd'	650x520x475	Hittech Prontor GmbH	5
hitech	1 x Chiron FZ 15W	550x400x360	Hittech Prontor GmbH	4
	2 x Hermle C32 U / BMO T180 automatisering	650x650x500	Hittech Landes	5
	1 x Willemin Macodel 508MT	450x200x425	Hittech Landes	8
	1 x DMU - 100U duoBlock / Fastems FPC 1150 automation	1000x1000x1000	Hittech Landes	5
	1 x DMU – 80 eVo / Cellro Round 2000-165 Advanced automation	800x650x550	Hittech Landes	5
	1 x Mikron HPM1150U / System 3R WorkMaster Automation	1150x1000x895	Hittech Landes	5
	2 x Hermle C40U / System 3R WorkMaster Automation	850x700x500	Hittech Landes	5
	1 x Deckel FP4CC	600x500x500	Hittech Landes	3
	2 x DMG MORI CMX 1100V	1100x560x510	Hittech Landes	3
	1 x DMG-DMC 65V	650x500x500	Hittech Landes	3
	1 x Hermle C600U	600x450x450	Hittech Landes	5
Conventional Milling		Range (X x Y x Z) in mm	Location	
	1 x CKS	250x250x250	Hittech Wemac Sdn. Bhd.	3
	1 x Deckel FP1	350x150x200	Hittech Landes	3
Wire - EDM		Range (X x Y x Z) in mm	Location	
	1 x Agie Charmilles Robofil 2030 SI	300x200x250	Hittech Bihca B.V.	
	1 x Agie Charmilles Robofil 2040 SI	600x400x150	Hittech Bihca B.V.	
	1 x Agie Charmilles Robofil 4020	1050x650x250	Hittech Bihca B.V.	
	1 x Agie Charmilles Robofil 2030 TW	300x200x250	Hittech Bihca B.V.	
	3 x Agie Charmilles Cut 2000S	350x250x256	Hittech Bihca B.V.	
	1 x Agie Charmilles Cut 2000X	350x250x256	Hittech Bihca B.V.	
	1 x Agie Charmilles Robofil 440 C	550x350x400	Hittech Bihca B.V.	
	1 x Agie Drill 20	300x200x300	Hittech Bihca B.V.	
hitech	1 x Agie Charmilles Cut P350	350x220x220	Hittech Prontor GmbH	

hitech	2 x Agie Charmilles Cut P550	630x400x360	Hittech Prontor GmbH	
Zinc - EDM				
	Range (X x Y x Z) in mm	Location		
	1 x CNC Agie Charmilles Roboform 35P	400x500x300	Hittech Bihca B.V.	
	1 x Exeron EDM 304	600x500x400	Hittech Bihca B.V.	
CNC- Flat and Profile Grinding				
	Range (X x Y x Z) in mm	Location		
	1 x Jung L630F	630x360x280	Hittech Bihca B.V.	
	2 x Jung JF 520 DX (with Diaform)	600x200x300	Hittech Bihca B.V.	
	1 x Jung	500x200	Hittech Prontor GmbH	
	1 x Jung F50-2632	500x200	Hittech Landes	
Round grinding				
	Range (X x Y x Z) in mm	Location		
	1 x Kellenberger 1000U	Ø400	Hittech Bihca B.V.	
Drill / tap installations, Other				
	Range (X x Y x Z) in mm	Location	Axes	
	1 x Picomax 50	500x250x200	Hittech MPP B.V.	3
	1 x Leakingtest (Ex-proof pressure test machine)	600x500x400	Hittech MPP B.V.	
	1 x Sunnen BC 1804G (honing machine)		Hittech Landes	
	1 x Hurth KF32A (gear-milling machine)		Hittech Landes	
	1 x JTC VT6 1350 (broach machine)		Hittech Landes	
	1 x Ravensburg S250 (stabbing machine)		Hittech Landes	
	1 x Amada CNC HFA 250 W (NC bandsaw machine)	Ø250	Hittech Landes	
	1 x Bewo 315 (circular sawing machine)	Ø150	Hittech Landes	
	1 x Bauer 400V (bandsaw machine)		Hittech Landes	
	1 x Zoller Redomatic 600 (presetting device)		Hittech Landes	
	1 x Zoller Bravo 2 (presetting device)		Hittech Landes	
Laserwelding				
	Range (X x Y x Z) in mm	Location	Axes	
	1 x Laserwelding machine + circular machinetable	820x400x910	Hittech Bihca B.V.	4
Surface treatments				
	Product sizes (X x Y x Z) mm	Location		
	1 x Rofin Sinar Lasermarker 8070 (Laser Engraving Text & Logos)	600x300	Hittech Bihca B.V.	
	1 x Buehral Cleaning (8 steps) Ultrasound tech.	Dimensions (LxWxH) 710x320x660 ultrasonic cleaning / pickling / passivation	Hittech Bihca B.V.	
	1 x Multifinisch ECP (RVS materials)	400x70x120	Hittech Bihca B.V.	
	1 x Zippel Rema k1 (degreasing SOAP)	1000x800x500	Hittech MPP B.V.	
	1 x Plasma Cleaning; Plasmatreteat CFG5001 PFW10 nozzle	with	Hittech Bihca B.V.	
	1 x CAB LSG 100	120x120	Hittech Prontor GmbH	
	5 x Rösler mass finishing		Hittech Prontor GmbH	
	3 x Rotorfinish (mass finishing)	500x200x100	Hittech MPP B.V.	
	3 x Glass bead blasting	600x500x400	Hittech Prontor/ MPP/ Bihca	
	1 x Glass bead blasting machine		Hittech Prontor GmbH	
	1 x Laborex (shotblasting)	300x400x400	Hittech Landes	
	1 x Walter Trowal CVE 125		Hittech Landes	
	1 x Walter Trowal TFM 120/91		Hittech Landes	
Galvanic				
	Product sizes (X x Y x Z) mm	Location		
	Anodizing bath	1600x240x500	Hittech Prontor GmbH	
	Anodizing blank (bright/ matt)			
	Anodizing black (bright/ matt)			
	Mix bath	1300x240x500	Hittech Prontor GmbH	
	Anodizing blue matt			
	Aluminium conversion layer (chrome 6 free)			
	Rvs material passivating			
	Hand bath	400x200x560	Hittech Prontor GmbH	
	Blue pickling			
	Plastic washing			
	Electric polishing			
	Alu conversion bath	1300x340x600	Hittech Prontor GmbH	
	Alu conversion layer (chrome 6 free)			
Wet painting				
	Product sizes (X x Y x Z) mm	Location		
	Wet painting	2200x1500	Hittech Prontor GmbH	
	Screen printing		Hittech Prontor GmbH	
	2 x wet painting: MIL, EMC, Optical coatings	1000x800x500	Hittech MPP B.V.	
Assembling				
	Product sizes (X x Y x Z) mm	Location		
	Cleanroom ISO 7 incl. Grade 2 area (XCDA Druckluft)	650 m2	Hittech Multin B.V.	
	Cleanroom ISO 7	100 m2	Hittech Multin B.V.	
	Cleanroom ISO 7 incl. Grade 1 area	75 m2	Hittech Bihca B.V.	
	Horizontal Air flow cabinet, ISO 4	1800x450x575	Hittech Wemac Sdn. Bhd.	
	6x Laminar Flow Bench	1800x450x575	Hittech Multin B.V.	
	Curing Oven	800x600x500	Hittech Multin B.V.	
	Plasma cleaner	800x600x500	Hittech Multin B.V.	
hitech	2 x Particle Counter	250x250x250	Hittech Multin B.V.	
	3 x Pfeiffer 340D Helium Leaktester	800x600x500	Hittech Multin B.V.	