



Quality in turning and milling

VOVU Metaalbewerking

VOVU Metaalbewerking has been founded in 1987 and since the founding the company booked several successes and developed rapidly. The healthy growth is mainly realised due to (recurring) series work.



Vovu Metaalbewerking is specialised in producing turning- and milling products, in small to large series. All products are being machined with a state of the art 3D CAD-CAM program. Furthermore, a good work preparation and a precise tool management system ensures the reproducibility.

Thorough quality checks and extensive automation are minimum conditions at series productions, therefore also at VOVU.

A selection of materials VOVU can process for you:

- Aluminium;
- Steel;
- Stainless steel;
- Plastic (Delrin, Nylon);
- Non Ferro.

If desired, materials can be delivered with certificate.

CNC Milling

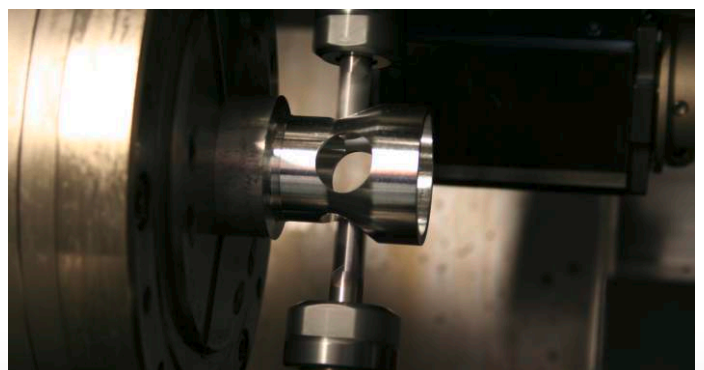
VOVU has the capability to (re) produce a ready-made product for every unique customer. This is possible due to the presence of 3, 4 or 5-axis horizontal or vertical machining. Hereby different pallet changing systems make it possible to edit complex products in series work.



CNC Turning

At CNC Turning automation is well implemented. VOVU uses automatic bar feeding, Gantry robot, main and counter spindles and live tooling. By doing so VOVU Metaalbewerking is extremely well equipped for producing small to large series.

Also here CAD-CAM programming is being used, making reproducibility one of our strengths when it comes to CNC Turning.





Stock Management

In consultation we offer the possibility to put products on stock for our customers.

Advantages for our customers are:

- Lower production costs due to larger series production.
- Possibility for fast delivery
- Consistent quality
- Limited price fluctuation of materials.

We also offer the possibility of after-treatment of machined products. One could think of:

- Anodise;
- Black Oxidizing;
- Harden;
- Nickel plating;
- Copper plating;
- etc.

Quality

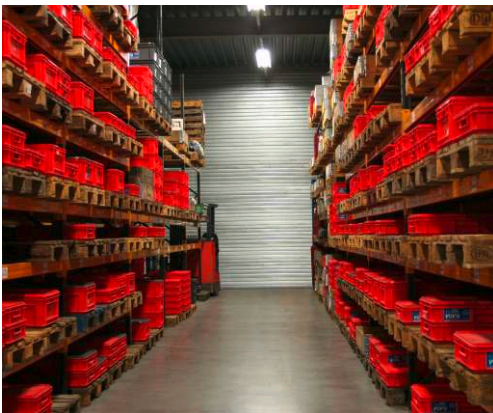
Our quality department used the following facilities.

- 3D measurement machine (1500x600)
- Projector
- Climatized room

VOVU also provides:

- First sample test reports
- SPC Process control (PPAP)
- ISO9001

In consultation with the customer quality demands can be recorded by product.



Assembly

VOVU Metaalbewerking is also specialised in taking over assembly actions of a (part of the) product.

If the product, produced by Vovu, is a composition, we are happy to present you an offer for the assembly of these products. It saves a lot of work and shortens the internal cycle time for you, our customer.



VOVU Metaalbewerking B.V.

Rietdekkerstraat 1
 P.O. Box 449
 +31 413 - 25 54 51
 info@vovu.nl
 5405 AX Uden
 5400 AK Uden
 @ +31 413 - 25 53 12
 www.vovu.eu
 The Netherlands
 The Netherlands



CNC Lathes / CNC Turning Center



Gildermeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	Yes
Operating system	Fanuc



Gildermeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	Yes
Operating system	Fanuc



Gildermeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Gildermeister Sprint 65

No. of axles	10
Sub spindle	Yes
No. of turrets	3
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Tornos Deco 26

No. of axles	12
Sub spindle	Yes
No. of turrets	N.A.
Tools	Yes
Bar feeding	Yes
Passage	32 mm
Gantry robot	No
Operating system	Fanuc



Muratec MT12

No. of axles	6
Sub spindle	Yes
No. of turrets	2
Tools	Yes
Bar feeding	Yes
Passage	52 mm
Gantry robot	No
Operating system	Fanuc



Muratec MT25

No. of axles	8
Sub spindle	Yes
No. of turrets	2
Tools	Yes
Bar feeding	Yes
Passage	71 mm
Gantry robot	Yes
Operating system	Fanuc



Muratec MT25

No. of axles	8
Sub spindle	Yes
No. of turrets	2
Tools	Yes
Bar feeding	Yes
Passage	71 mm
Gantry robot	Yes
Operating system	Fanuc





CNC Lathes / CNC Turning Center



Victor 26

No. of axes	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Victor 26

No. of axes	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	76 mm
Gantry robot	No
Operating system	Fanuc



Victor 26

No. of axes	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	81 mm
Gantry robot	No
Operating system	Fanuc



Daewoo Puma 350

No. of axes	3
Sub spindle	No
No. of turrets	1
Tools	Yes
Bar feeding	Yes
Passage	116 mm
Gantry robot	No
Operating system	Fanuc



Victor VT+

No. of axes	3
Sub spindle	No
No. of turrets	1
Tools	No
Bar feeding	Yes
Passage	56 mm
Gantry robot	No
Operating system	Fanuc



Victor VT+

No. of axes	3
Sub spindle	No
No. of turrets	1
Tools	No
Bar feeding	Yes
Passage	56 mm
Gantry robot	No
Operating system	Fanuc

VOVU Metaalbewerking B.V.

Rietdekkerstraat 1 P.O. Box 449
5405 AX Uden 5400 AK Uden
The Netherlands The Netherlands

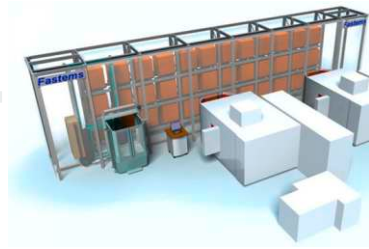
+31 413 - 25 54 51 @ info@vovu.nl
+31 413 - 25 53 12 www.vovu.eu

lid koninklijke metaalunie





CNC Milling Machines



FASTEMS

- Flexible manufacturing systems (FMS)
- 24/7 unmanned production
- Produces and supplies independently
- Carries out different orders independently
- 30 pallet spaces
- 300 tools



OKK HM4

No. of axes	4
Spindle position	Horizontal
Range X	550
Range Y	600
Range Z	600
Pallet change	Yes
Tools	300
Operating system	Fanuc



OKK HM4

No. of axes	4
Spindle position	Horizontal
Range X	550
Range Y	600
Range Z	600
Pallet change	Yes
Tools	40
Operating system	Fanuc



OKK HM400S

No. of axes	4
Spindle position	Horizontal
Range X	630
Range Y	630
Range Z	700
Pallet change	Yes
Tools	80
Operating system	Fanuc



OKK HM400S

No. of axes	4
Spindle position	Horizontal
Range X	630
Range Y	630
Range Z	700
Pallet change	Yes
Tools	80
Operating system	Fanuc



OKK HM X6000

No. of axes	5
Spindle position	Horizontal
Range X	1050
Range Y	900
Range Z	820
Pallet change	Yes
Tools	120
Operating system	Fanuc



Victor 125

No. of axes	4
Spindle position	Vertical
Range X	1250
Range Y	560
Range Z	610
Pallet change	No
Tools	20
Operating system	Fanuc



Victor V70

No. of axes	3
Spindle position	Vertical
Range X	700
Range Y	480
Range Z	510
Pallet change	Yes
Tools	40
Operating system	Fanuc



Victor V70

No. of axes	3
Spindle position	Vertical
Range X	700
Range Y	480
Range Z	510
Pallet change	Yes
Tools	40
Operating system	Fanuc



Various Machines

Conventional Machines

Brand/Model	Details	Measurements
Weiler, LZ 330 Dormac Schaublin Weiler	Lathe with digital reading Lathe with digital reading Lathe with quick clamping device Lathe with quick clamping device	Passage – turning diameter – between centres 42mm - 160mm - 800mm 80mm - 500mm - 1500mm
Pedersen Cincinnati, toolmaster	Milling machine with digital reading Milling machine	X=1100 Y=250 Z=450 X=700 Y=250 Z=400

Various Machines

Brand/Model	Details	Measurements
Jones Schipman Everising S-300 HB Maco Verscheidene Bohrer	Surface grinding machine Fully automatic band saw Semi-automatic band saw Bench drilling machine 4 pcs. Drill table rows Pillar drill machine Slotting machine	Range: X=450, Y=150, Z=150 Ø 300mm Ø 250mm Tapping Device X-Y Stage Fast Runner 18000 U/Min. Keyways to 22mm
Edgwick Sunnan Rotofinisch Rosler Rotofinisch Rosler Kromas Servo Omca Elita	Hone machine Circular vibrators Cleaning machine Circular vibrator (including dryer) Digital weighers Deburring Tool sharpener	

VOVU Metaalbewerking B.V.

Rietdekkerstraat 1
 P.O. Box 449
 +31 413 - 25 54 51
 info@vovu.nl
 5405 AX Uden
 5400 AK Uden
 +31 413 - 25 53 12
 www.vovu.eu
 The Netherlands
 The Netherlands



Various Machines

Measurement machines and presetting equipment



Mitutoyo Crysta Apex C

- For demanding measurements
- Climatic room
- Range 905x1605x605
- Movement speed 520 mm/s
- Accuracy 0,0023 mm
- Offline CAD programming
- Super Linear Height 450
- Measurements for thirds parties



Zöller Venturion 400

- Optical presetting device
- Length range 400 mm
- Diameter range 320 mm



Mahr Marsurf XC 2

- For demanding measurements
- Climatic room
- For accurate radius measurements
- Measuring bevels
- Measuring outlines, profiles and screw-thread
- Digitizing measurement data



Mitutoyo SJ-410

- Surface roughness meter
- Measurements under ISO 1302 standard
- Measurements under JIS1994, JIS2001, ISO1997, ANSI and VDA standard
- Digital recording measurement data

Cleaning Machine



Dürr Ecoclean Cleaning Machine

- Cleaning and drying in closed operating chamber
- Rotating / tilting of drum to assist cleaning process
- Double liquid tank for fine-cleaning
- Ultrasonic function
- Cleaning rate to 50mN/m

VOVU Metaalbewerking B.V.

Rietdekkerstraat 1 P.O. Box 449
5405 AX Uden 5400 AK Uden
The Netherlands The Netherlands

+31 413 - 25 54 51 @ info@vovu.nl
+31 413 - 25 53 12 @ www.vovu.eu

lid koninklijke metaalunie





 CNC Turning  CNC Milling

