



Kvenna EMT Workshop Capabilities

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Workshop Capabilities

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1. Workshop Capabilities

1.1. Machining hall

Kvenna EMT disposes a 3000m² machining hall.

Kvenna EMT supplies a wide range of parts and components based on advanced CNC machining and a high level of quality control

1.2. Assembly hall

Kvenna EMT disposes a 2000m² assembly hall, containing assembly and pressure testing facilities, multiple cranes and a seawater pool for testing.

Assembly hall:

- Total Area: 2000m²
- Seawater pool for testing: 6m x 13m x 3.7m
- Cranes (traveling + gantry)
 - 2 x 40 tons
 - 2 x 5 tons
- Assembly and pressure testing facilities
- HPU units ranging up to 315bar
- Pressure test units for fluid and N₂, max. capacity 1300bar
- Hytorc Torque Tool for bolt make-up
- HBM Hottinger for temp./pressure logging
- Weighing Cells for 3, 12 and 50tons
- Range of Hydraulic Jacks

Testing:

- Leak testing to ISO 10423 & ISO 14723
- Temperature testing
- Pressure testing to API & ISO codes
- Functional testing of valves & tools
- Cool down-and thermal testing
- Full scale cool down testing in pit w/ seawater of subsea insulation systems for connectors and spool

2. CNC Drilling and Milling Machines

2.1. Juaristi MX5 - floor type (available from Q4 2023)



General	
Brand & Model	Juaristi MX5 - floor type
Control:	Heidenhain TNC 640
Capacity	
Axis	X = 9000 mm Y = 3500 mm Z+W = 800mm + 1000 mm
Table 1	W1=3500 mm Full B-axes with table size 2500 x 2000 mm
Table 2	W1=2000mm Full B-axis with table size 2000 x 2000 mm
Max Load	40 000 kg with centric load
ATC	120
Universal head	1 piece

2.2. WMW Bacau AFP-160 CNC



General	
Brand & Model	WMW BACAU AFP-160 CNC
Control:	Siemens 840D
Capacity	
Axis	X = 8000 mm Y = 4000 mm Z+W = 800mm + 1000 mm Full B-axes with table size 2500 x 2000 mm Fixed table size
Max Load	40 000 kg with centric load

2.3. WMW Bacau FK-1000 CNC



General	
Brand & Model	WMW BACAU FK-1000 CNC
Control:	Siemens 840C
Capacity	
Axis	X = 3000 mm / Y = 1800 mm Z+W = 500mm + 1000 mm W1 = 500 mm B = Full NC Axis
Max Load	25 000 kg with centric load
Tool Magazine	30

3. CNC Machining Centre

3.1. Okuma MA600 HB



General	
Brand & Model	Okuma MA600 HB Space Centre
Control:	Okuma OSP 200 M
Capacity	
Axis	X = 1000 mm Y = 900 mm Z= 1000mm B= Full NC Axis
Tool Magazine	60 (BT50)
Table size	630 x 630 mm
Number of pallets	2 (630 x 630)
Additional information	Measuring Probe Programming of spindle position Tool length measuring Function for turning operations Equipment for key slotting

3.2. Doosan HM1000



General	
Brand & Model	Doosan HM1000
Control:	Fanuc 21
Capacity	
Axis	X = 2100 mm Y = 1250 mm Z = 1250 mm B = Index 1 degree
Tool Magazine	120
Max. load	3000 kg
Number of pallets	2pcs 1000x1000 mm

3.3. Mori Seiki NHX8800



General	
Brand & Model	Mori Seiki NHX8800
Control:	Mitsubishi
Capacity	
Axis	X = 1000 mm Y = 1000 mm Z = 1350 mm B = Full NC Axis
Tool Magazine	100
Max. load	1500 kg
Number of pallets	2pcs 800x800 mm

4. CNC Vertical Turning w/Drilling and Milling Units

4.1. WMW Bacau VTM-22 CNC



General	
Brand & Model	WMW Bacau VTM-22 CNC
Control:	Siemens
Capacity	
Axis	X= 2350 mm Z= 1800 mm C= Full NC Axis
Max diameter	2300 mm
Max height	2000 mm
Max. load	25 000 kg
Tool Magazine	20 turning and 20 milling Angelarhead 90 degree

4.2. Mori Seiki



General	
Brand & Model	Mori Seiki
Control:	Fanuc
Capacity	
Max diameter	1500 mm
Axis	X= 1500 mm Z= 1000 mm C= Full NC Axis
Max height	1000 mm
Max. load	15 000 kg
Tool Magazine	120 Angelarhead 90 degree

5. CNC Turning Centers

5.1. WFL Miltorn 120



General	
Brand & Model	WFL Miltorn 120
Control:	Sinumeric 840C
Capacity	
Axis	X = 1000 mm Y = -250 mm to +250 mm Z = 5100 mm C = Full NC Axis B = +/- 100-degree angel
Tailstock	Pinol Ø 150 mm stroke
	Ø1200
Steady rest	130- 510 mm
Tool Magazine	60

5.2. Okuma Macturn B550 (available late AP2 2023)



General	
Brand & Model	Okuma Macturn B550
Control:	OSP 300
Capacity	
Axis	X = 1000 mm Y = -250 mm to +250 mm Z = 3100 mm C = Full NC Axis B = +/- 190/10 degree angel
Tailstock	Pinol Ø150 mm stroke
Swing	Ø830 mm
Steady rest	130 - 510 mm
Tool Magazine	80

5.3. Gurutzpe B1400 CNC



General	
Brand & Model	Gurutzpe B1400 CNC
Control:	Fagor 8050
Capacity	
Max diameter	1600 mm
Max length	10 000 mm
Inside turning damped boring bar	Ø200 L=1700 mm
Inside turning damped boring bar	Ø130 L=1200 mm
Steady rest	2 x Ø 200- 1000 mm
Max weight	15 000 kg

6. CNC Turning, Milling & Drilling

6.1. Puma 700 LY



General	
Brand & Model	Puma 700 LY
Control:	Fanuc
Capacity	
Axis	X = 850 mm Y = 100 mm Z (length) = 3000 mm C= Full NC Axis
Max weight	2000 kg
Turret	12 tools + rotating tool

7. CNC Turning & Drilling

7.1. Puma 700



General	
Brand & Model	Puma 700
Control:	Fanuc
Capacity	
Axis	X = 950 mm Z (length) = 3200 mm C = Full NC Axis
Max weight	2000 kg
Turret	12 tools + rotating tool
Steady Rest	

7.2. Puma 700*



General	
Brand & Model	Puma 700*
Control:	Fanuc 18i
Capacity	
Axis	X = 950 mm Z=3200 mm C= Full NC axis
Max weight	2000 kg
Turret	12 tools + rotating tool

7.3. Puma 400LM



General	
Brand & Model	Puma 400LM
Control:	Fanuc
Capacity	
Axis	X = 500 mm Z = 3000 mm C= Full NC axis
Max weight	2000 kg
Turret	12 tools + rotating tool

7.4. Geminis GHT6 1300x 8000



General	
Brand & Model	Geminis GHT6
Control:	Fanuc 32 I
Capacity	
Max diameter	1300
Max length	8 000 mm
Controlled Tailstock	Ø200 L=1700 mm
Controlled Steady rest SMW SLU 5.1	2 x Ø 100- 450 mm
3 wane type	

8. Manual Machining / Saw / Center Drill Shaft

8.1. Manual Milling Bacau AFP 105

Dimension: 1500 mm x 1500 mm

8.2. Magnet Tables

Dimension: Ø1200mm From Ø50 mm to Ø1250 mm

8.3. Manual Turning Machine

Dimension: Ø350 mm L = 8000 mm

8.4. Saw

Ø 1000 mm

8.5. Center Drill Shaft

Ø28/Ø125 mm Length: 3000 mm

9. CMM Machine

9.1. LK G90C



General	
Brand & Model	G90C 10.10.8
Style	Bench
Measurement Type	Touch Trigger
Frame Type	Moving Bridge
Control	LK Micron Drive
Capacity	
Max Part Size	1981 mm x 1422 mm x 1067 mm
Table Size	1981 mm x 1981 mm
X Axis	1016 mm
Y Axis	1016 mm
Z Axis	813 mm
Maximum Rapid Rate	31
B89 Volumetric Accuracy	0,0099 mm