



Fleet of machinery



Testing department

1 (one) DEA ALPHA gantry coordinate measuring machine

- Year of construction 2006
- 2006 update with PC Dims cd++ for Windows control system
- X axis measuring range = 1500
- Y axis measuring range = 2500
- Z axis measuring range = 1000
- Linear optical scanning sensors
- With external load capability
- Component temperature compensation sensor

1 (one) ZEISS CONTURA G2 bridge coordinate measuring machine

- Year of construction 2012
- X axis measuring range = 1000
- Y axis measuring range = 1600
- Z axis measuring range = 600

1 (one) ZEISS DURAMAX gantry coordinate measuring machine

- Year of construction 2012
- X axis measuring range = 500
- Y axis measuring range = 500
- Z axis measuring range = 500

1 (one) JENOPTIK OPTICLINE C305 optical shaft measuring system

- Year of construction 2013
- Diameter measuring range: 0.2 – 50
- Max. measurable length = 300
- Max. workpiece diameter: 150
- Max. workpiece length = 300

1 (one) ACCRETECH SURFCOM 2000 surface texture and contour measuring instrument

- Year of construction 2012
- Max. length = 300
- Measuring range = 100

1 (one) MITUTOYO PH-3500 horizontal profile projector

- Year of construction 1995
- X axis measuring range = 250
- Y axis measuring range = 150
- DIASCOPY or EPISCOPY lighting



Fleet of machinery

- ACU-RITE Quadra-CHECK 2000 model optic fibre digital readout system

1 (one) GALILEO hardness tester

- HRC testing (diamond cone with load of 150 kg)
- HRB testing (sphere \varnothing 2.5 mm and loads from 62 to 187.5 kg)

2 (two) HELIUM leak detectors

- Sensitivity = 6ppm

1 (one) TRIMOS Vertical model height gauge

- Measuring range 0-500 mm
- Resolution in μm

1 (one) TRIMOS Vertical 3 model height gauge

- Measuring range 0-600 mm
- Resolution in μm

1 (one) SYLVAC Z_CAL 600 model height gauge

- Measuring range 0-600 mm
- Resolution in μm

1 (one) MITUTOYO QM-Height600 model height gauge

- Measuring range 0-600 mm
- Resolution in μm

2 (two) M4PI roughness measuring unit

- complete with PFK drive unit
- NHT16-100 feeler

1 (one) Mitutoyo SJ-201P model roughness measuring unit

- Serial number 540524

1 (one) Faro coordinate measuring machine

- Maximum measurement 3600 mm
- Maximum resolution 0.4 mm

1 (one) GILARDONI ULTRASOUND device

1 (one) OLYMPUS optic fibre camera for internal inspections

1 (one) Holiday microwave survey meter

Complete set of MANUAL INSPECTION INSTRUMENTS



Fleet of machinery

1 (one) DEA IOTA 12.03 coordinate measuring machine (automatic)

- Year of construction 1987
- 1996 update with PC DIMIS for Windows control system
- X axis measuring range = 1320
- Y axis measuring range = 970
- Z axis measuring range = 610
- LINEAR OPTICAL SCANNING SENSORS

1 (one) POLI granite surface plate 1200 x 800

1 (one) TRIMOS SYLVAC 670 HEIGHT GAUGE 1 (one) "POLI LINX" coordinate measuring machine

- Measuring instruments for various specific in-production and final inspections



Machining centre department

1 (one) MAZAK HCN6800 machining centre

- MAZATROL MATRIX numerical control
- Year of construction 2011
- X axis travel = 1050
- Y axis travel = 900
- Z axis travel = 980
- Max. traverse speed 60000 mm/min
- Max. cylinder processed diam. 1050x1300 mm
- Horizontal spindle shaft
- Max. rotation speed 10000 rpm
- External tool cooling max 70bar + air blower
- Spindle tool holder ISO50 + Big Plus
- 240-position honeycomb tool magazine with 6-position loader
- Continuous indexing table to ISO 630 (360,000 positions)
- 16 pallets of 630x630 mm with Pallettech changer system
- RENISHAW electronic probe

1 (one) "MORI SEIKI NH6300 DCG II MODEL" horizontal machining centre

- 20 pallets size 630x630 with Fastems system, working surface
- X axis travel = 1050
- Y axis travel = 900
- Z axis travel = 980
- Max. workpiece weight 1500 kg
- Spindle speed 10000 rpm
- Rapid traverse speed 50 m/min
- MAPPS IV with 19" TFT screen and CAM module (Esprit)
- Magazine for 330 ISO 50 tools

1 (one) "MORI SEIKI NH5000 DCG MODEL" horizontal machining centre

- Year of construction 2010
- 2 pallets, to process cylinder diam. 800
- X axis travel = 730
- Y axis travel = 730
- Z axis travel = 850
- Spindle speed 14000 rpm
- Rapid traverse speed 50 m/min
- Magazine for 60 ISO 40 tools



Fleet of machinery

1 (one) "MORI SEIKI MH630 MODEL" horizontal machining centre

- 2 pallets size 630x630
- X axis travel = 1050
- Y axis travel = 800
- Z axis travel = 800
- Max. workpiece weight 1500 kg
- Spindle speed 6000 rpm
- Rapid traverse speed 20 m/min
- Magazine for 180 ISO 50 tools

1 (one) "MORI SEIKI SH503 MODEL" horizontal machining centre

- 2 pallets, to process cylinder diam. 710
- X axis travel = 630
- Y axis travel = 600
- Z axis travel = 650
- Spindle speed 12000 rpm
- Rapid traverse speed 32 m/min
- Magazine for 60 ISO 40 tools

1 (one) MAZAK HCN 5000 D machining centre

- Mazatrol Matrix Nexus numerical control
- Year of construction 2011
- Optical scale measuring system
- X axis travel = 730
- Y axis travel = 730
- Z axis travel = 740
- Max. traverse speed 60000 mm/min
- Max. cylinder processed diam. 800x1000 mm
- Horizontal spindle shaft
- Max. rotation speed 18000 rpm
- External tool cooling max 10 bar
- Spindle tool holder ISO40
- 120-position tool magazine with changer
- Continuous indexing table to ISO 500 (3,600,000 positions)
- 5 (five) pallets of 500x500 mm with changer
- HELICAL INTERPOLATION option
- RENISHAW electronic probe



Fleet of machinery

1 (one) Jobs Linx O milling centre (5 pallets)

- SIEMENS 840D CNC
- Year of construction 2007
- Axis travels X 3100, Y 2000, Z 600 + W 1500
- Linear axis maximum traverse speed 50 m/min
- Axis acceleration 4 m/sec
- Linear motor axis drive
- TMXep indexed head
- Spindle 40 (31.5) kW 381 (300) Nm 8000 rpm HSK-A-100
- C axis fixed 360° (±180°) indexed through 1°
- A axis 120° (+15° -105°) indexed through 1°
- 2 station pallet shuttle
- 2 translating pallet loading-unloading stations
- Fixed pallet station
- 5 pallet tables of 1600x1250 mm with DIN 650 transverse T-slots
- Max. pallet load 12000 kg
- Arena tool magazine with handling robot, with 310 HSK-A-100 positions, max. weight 20 kg, max. length 400 mm, 5+5 position revolving tool loader complete with cone cleaning and tool presence sensor (bits/taps)
- Balluff tool coding station
- Renishaw digital probe

1 (one) Jobs Linx O milling centre (2 pallets)

- SIEMENS 840D CNC
- Year of construction 2011
- Axis travels X 3100, Y 2000, Z 600 + W 1500
- Linear axis maximum traverse speed 50 m/min
- Axis acceleration 4 m/sec
- Linear motor axis drive
- TMXep indexed head
- Spindle 40 (31.5) kW 381 (300) Nm 8000 rpm HSK-A-100
- C axis fixed 360° (±180°) indexed through 1°
- A axis 120° (+15° -105°) indexed through 1°
- 2 pallet loading-unloading stations
- 2 pallet tables of 1600x1250 mm with DIN 650 transverse T-slots
- Max. pallet load 12000 kg
- Floor-mounted tool magazine with handling arm, with 150 HSK-A-100 positions, max. weight 20 kg, max. length 400 mm
- Balluff tool coding station
- Renishaw digital probe



Fleet of machinery

1 (one) MAZAK VTC-800/30SR vertical machining centre with 5 simultaneous axes

- Tools with 48 ISO 40 positions
- Swivel spindle head +/-110°
- Continuous rotary table.
- Max. traverse speed 50000 mm/min
- X axis travel = 3000
- Y axis travel = 800
- Z axis travel = 720
- Max. spindle rotation speed 18000 rpm

1 (one) MAZAK VTC-560/25 vertical machining centre with 3 axes

- Tools with 30 ISO 40 positions
- Continuous rotary table.
- Max. traverse speed 50000 mm/min
- X axis travel = 2500
- Y axis travel = 560
- Z axis travel = 560
- Max. spindle rotation speed 12000 rpm



CNC turning centre department

1 (one) MAZAK NEXUS 250M x 500 mk II horizontal turning centre

- Super Hydrobar HS bar feeder for bars from D.2 to D.68
- MAZATROL MATRIX numerical control
- Year of construction 2007
- ENCODER measuring system
- X axis travel = 230
- Z axis travel = 575
- X axis max. traverse speed 30000 mm/min
- Z axis max. traverse speed 33000 mm/min
- Maximum machining diameter 380 mm
- Maximum bar work capacity 74 mm
- Maximum swing 675 mm
- Maximum machining length 575 mm
- Spindle motor power 26 kW
- Spindle chuck ASA 8"
- Min/max spindle speed 35-4000 rpm
- Max. number of tools 12
- Tool setting and wear monitoring probe
- Spindle power drawdown monitoring device

1 (one) MAZAK NEXUS 250M x 1000 mk II horizontal turning centre

- MAZATROL MATRIX numerical control
- Year of construction 2009
- ENCODER measuring system
- X axis travel = 230
- Z axis travel = 1085
- X axis max. traverse speed 30000 mm/min
- Z axis max. traverse speed 33000 mm/min
- Maximum machining diameter 380 mm
- Maximum bar work capacity 74 mm
- Maximum swing 675 mm
- Maximum machining length 1085 mm
- Spindle motor power 26 kW
- Spindle chuck ASA 8"
- Min/max spindle speed 35-4000 rpm
- Max. number of tools 12
- Tool setting and wear monitoring probe



Fleet of machinery

1 (one) MAZAK NEXUS QTM400-II M horizontal turning centre

- MAZATROL MATRIX numerical control
- Year of construction 2011
- X axis travel = 340
- Z axis travel = 2100
- Maximum machining diameter 680 mm
- Maximum bar work capacity 102 mm
- Maximum swing 845 mm
- Max. spindle speed 2500 rpm
- Max. number of tools 12
- Tool setting and wear monitoring probe
- Spindle power drawdown monitoring device
- Automatic programmable tailstock
- Automatic programmable rest

2 (two) MAZAK INTEGRIX 200 mark IV horizontal turning centres with 2 spindles

- MAZATROL MATRIX numerical control
- Year of construction 2009
- ENCODER measuring system
- X axis travel = 580
- Y axis travel = +/- 80
- Z axis travel = 1045
- B axis travel = 225°
- X axis max. traverse speed 38000 mm/min
- Y axis max. traverse speed 26000 mm/min
- Z axis max. traverse speed 38000 mm/min
- Maximum machining diameter 660 mm
- Maximum bar work capacity 52 mm
- Maximum swing 660 mm
- Maximum machining length 1016 mm
- Motor power spindle one 22 kW - spindle two 18.5 kW
- Motorised upper turret power 15 kW
- Spindle 1 and 2 chuck ASA 6"
- Min/max spindle 1 and 2 speed 35-5000 rpm
- Min/max motorised upper turret speed 15-12000 rpm
- Max. number of tools 40 in chain + 9 in lower turret
- Tool setting and wear monitoring probe
- Spindle power drawdown monitoring device



Fleet of machinery

Parallel lathe department

1 (one) CMT-URSUS VS 250/B parallel lathe

- FAGOR position display on 3 axes (ZX Spindle at constant speed)
- Year of construction 1996
- Max. distance between centres 1500 mm
- Max. turning diameters 450-260
- Spindle motor power 10 HP
- Bar passage \varnothing 105

1 (one) FIMAP TP-22 parallel lathe

- Position display on two axes (ZX)
- Max. distance between centres 1550 mm
- Max. turning diameters 470-240
- Spindle motor power 10 HP



Cutting department

1 (one) SUPER BROWN circular saw

- Completely manual
- Cutting capacity up to \varnothing 30-40 from 45° to 90°

1 (one) AMADA PCSAW 330 precision band saw

- Automatic and semiautomatic
- Cutting capacity \varnothing 330 including angle bars and various profiles
- "Pulse cutting" technology
- Feed control and constant thickness control

1 (one) Adige-Sala CM501 precision circular saw

- Year of construction 2001
- Fully automatic
- Cutting capacity up to diameter 100 (for tubes in particular) with precision up to 0.1 mm

1 (one) FORTEMAT SBA 241/S precision band saw

- Year of construction 1996 first, 2003 second
- Fully automatic
- Frame guided by dual column system with two cylinders
- Feed with "FORTE SYSTEM": feed with length control with feed range from 3 to 400
- Cutting capacity \varnothing 250

1 (one) RUSCH precision band saw

- Year of construction 1999
- Fully automatic
- Frame guided by dual column system with two cylinders
- Cutting capacity \varnothing 300

1 (one) T-DRILL TEC-150 collaring machine

- Collar sizes from 15 mm to 114.3 mm on stainless steel tubes
- Run tube diameter from 25.4 mm to 355.6 mm
- Thickness up to 4 mm
- Collaring heads \varnothing 15-25 \varnothing 25-30 \varnothing 30-37 \varnothing 45-55 \varnothing 65-85
- Tube clamps \varnothing 355.6 \varnothing 101.6 \varnothing 76.2 \varnothing 63.5 \varnothing 50.8 \varnothing 38 \varnothing 32 \varnothing 25



Fleet of machinery

Adjustment department

1 (one) Robotic deburring plant

- 1 Comau type Smart NH3 six-axis robot
- maximum machining radius 2700 mm
- wrist load capacity 220 kg
- wireless portable programming unit with windows operating system
- 40-position tool magazine
- electromechanical two-station positioner with 3 axes of rotation

- maximum load per station 750 kg
- maximum workpiece length 3000 mm
- maximum workpiece rotation diameter 1200 mm
- laser workpiece position detection system
- tapping system for M6 and M8

1 (one) FAMUP TCS-40 mill/drill machine

- Longitudinal travel 585 mm
- Transverse travel 240 mm
- Vertical travel 580 mm
- Barrel travel 130 mm
- Drilling capacity \varnothing 40 on R45 steel

3 (three) SERRMAC bench drills

- Drilling capacity \varnothing 20 on R45 steel

1 (one) TEMCO M16/77 tapping machine

- Automatic feed and return cycle
- Spindle travel 60 mm
- Tapping capacity M16 and equivalents on R45 steel
- Spindle motor power 1 HP
- 6 speed ranges from 200 to 1200 rpm

1 (one) CEMB type ZD 100/TC-220V 50HZ balancing system

1 (one) CEMB type ARF100/S horizontal balancing system



Fleet of machinery

1 (one) SICMI PMM 90 MC gantry straightening press

- Bed size = 3500x2000mm
- Distance between pillars = 1550 mm
- Cylinder stroke 500 mm
- Ram-bed distance 1000mm
- Mobile cylinder working stroke 1400 mm
- Gantry traverse 2000 mm

2 (two) 50 tonne tandem presses (for straightening pieces)

2 (two) glass (or ceramic) ball sandblasting machines

1 (one) BONFIGLIO solvent part washer

1 (one) Rollwasch rectangular tumbling machine

- Tank size = 900x400 mm
- Tank nominal contents = 150 l

1 (one) Rollwasch orbital tumbling machine

- Tank diameter = 1286 mm
- Tank nominal contents = 225 l

1 (one) Rollwasch centrifugal tumbling machine

- Tank diameter = 300 mm
- Tank nominal contents = 18 l

1 (one) PEDRAZZOLI DISC cut-off machine

1 (one) AUDAX pillar drill

- drilling capacity d/28 on r/45 steel

1 (one) TEMCO M16/77 tapping machine

- automatic feed and return cycle
- spindle travel 60 mm
- tapping capacity M16 and equivalents
- motor power 1 hp
- 6 speed ranges from 200 to 1200 rpm

2 (two) SERRMAC bench drills 1 (one) Sharpening machine



Fleet of machinery

Finishing department

1 (one) dip pickling tank

- Working dimensions 1500x1400 H=1100

1 (one) dip pickling tank

- Working dimensions 3000x1000 H=1500

1 (one) dip pickling tank

- Working dimensions 1500x1400 H=1100

1 (one) dip pickling tank

- Working dimensions 3000x1000 H=1500

1 (one) dip degreasing tank

- Working dimensions 3000x1000 H=1500

1 (one) dip passivation tank

- Working dimensions 1500x1400 H=1100

1 (one) electropolishing surface treatment tank

- Working dimensions 1500x1500 H=1200

2 (two) Automator dot peen numbering machines

- Marking area 152 x 51 mm
- Dot peen marking

1 (one) SIC Marking dot peen numbering machine

- Marking area 100 x 100 mm
- Dot peen marking
- Marking with designs and logos possible via dxf importation

1 (one) SISMA laser marking machine

- Marking area 120 x 120 mm
- Focal lens 160 mm
- Max marking speed 2000 mm/s
- Laser power 10W
- External protective booth complete with fume extraction

1 (one) SISMA laser marking machine

- Marking area 180 x 180 mm
- Focal lens 160 mm



Fleet of machinery

- Max marking speed 2000 mm/s
- Laser power 20W
- Bench with turntable for pallet change

Lifting equipment

15 (fifteen) jib cranes of 125-200 kg

18 (eighteen) jib cranes of 500 kg

4 (four) jib cranes of 1000 kg

1 (one) gantry crane of 5000 kg

4 (four) jib cranes of 125-200 kg

1 (one) gantry crane of 3000 kg

1 (one) gantry crane of 5000 kg



Fleet of machinery

Grinding / additional process department

1 (one) CHARMILLES Electro-discharge machining centre

- Robofil 310
- Dispersion system
- X axis travel = 400
- Y axis travel = 250
- Z axis travel = 400
- Wire diameter 0.25 mm
- Auto-threading

1 (one) CRIPPA CA Linear 980E Automatic pipe bending machine

- Year of construction: 2012
- Siemens 840 D numerical control
- Number of controlled axes: 9 axes
- Axes electrically operated for greater precision
- Max. bending diameter: 80 mm
- Max. radius of curvature: 250 mm
- Max. core travel: 305 mm
- Linear axis repeatability: 0.05 mm
- Rotary axis repeatability: +/-0.05 °

1 (one) KENT Surface grinder

1 (one) BASSI & MASSARI Sharpening machine



Fleet of machinery

Welding department

1 (one WEMI WTDC 2500/700 welder, 250 amps (tig-mma)

1 (one HITACHI AC-DC welder, 300 amps (tig-mma)

1 (one HITACHI welder, 300 amps (tig-mma)

1 (one HITACHI AC-DC welder, 500 amps (tig-mma)

1 SELCO plasma cutter, 30 amps

1 (one) SELCO 200 TLH welder, 200 amps (tig-mma)

2 (two) SELCO 240 TLH welders, 240 amps (tig-mma)

5 (five) SELCO GSM welders, 350 amps (tig-mig-mma)

1 (one) SELCO GSM welder, 350 amps (tig-mma)

2 (two) SELCO GSM welders, 282 amps (tig-mma)

1 (one) SELCO GSM AC-DC welder, 350 amps (tig-mma)

1 (one) POLYSOUDE rotary positioner with tailstock

1 (one) MB rotary positioner with tailstock

1 (one) S511 orbital head complete with programmer

1 (one) CARPANO SQUIRREL linear cold wire welding carriage

2 (two) MECOME TRK 35 turntable welding positioners

1 (one) MECOME TRK 150 turntable welding positioner

1 (one) SITEK 100 kg turntable welding positioner

1 (one) SELCO MIG-MAG welder complete with accessories

1 (one) HITACHI INVERTER TIG welder



Fleet of machinery

1 (one) three-station robotic welding centre with tig and mig procedures

- Panasonic mod. VR-008G2 robot (working radius 1547 mm at wrist centre)
- Initial joint search function – automatic torch change device (tig, mig and tig with cold wire)
- Working traverse 12 m - two lathe stations, one trunnion station

1 (one) MODULA S.250 automatic warehouse

1 (one) automatic vertical warehouse for equipment

- 14 tray stations
- Payload 1000 kg per tray

**Department SPECIALISING in the welding of
STAINLESS STEEL and ALUMINIUM**



Tool warehouse department

1 (one) TOMA DRIPET drill grinder

- Grinding capacity 3-13 mm

1 (one) TOMA DRIPET mod. LGA sharpener

- Sharpening capacity 8-32 mm

1 (one) CUOGHI MICRA 10 model sharpener

- Sharpening capacity 0.5-20 mm
- Drill length unlimited
- Cutting angle adjustment

1 (one) Zoller Venturion 800 model tool presetting instrument

- Max. presetting diameter = 500
- Max. presetting length = 800
- Capability for management of tool data in dialogue with machine tools

1 (one) Zoller Smile 400 model tool presetting instrument

- Max. presetting diameter = 320
- Max. presetting length = 400

1 (one) Zoller Smile 600 model tool presetting instrument

- Max. presetting diameter = 420
- Max. presetting length = 600

4 (four) CNC LD320 tool presetting instruments

- Max. presetting diameter = 320 mm
- Max. presetting length = 320 mm
- Reading precision on both axes 0.02 mm

1 (one) ELBO CONTROLLI E348/E458 CNC tool presetting instrument

- Max. presetting diameter = 600
- Max. presetting length = 600
- Horizontal axis precision 0.005 mm
- Vertical axis precision 0.01mm



Fleet of machinery

1 (one) CNC P54 tool presetting instrument

- Profile optical projector d.100x20 magnification with goniometer
- Max. presetting diameter = 400 mm
- Max. presetting length = 500 mm
- Horizontal axis precision 0.005 mm
- Vertical axis precision 0.01 mm

2 (two) Laip model tool hot keying machines

- ISO 40/50 HSK 63/100 adapters
- maximum tool keying diameter 32 mm
- maximum tool keying length 500 mm
- liquid cooling
- power 11 kW

1 (one) Tool Plus tool magazine management software

- tool composition database management
- expendables database management
- management of VIP magazine of all tools
- management of stocks and reorder points
- management of coding of materials

4 (four) Gamma Chain machine tool chain management software packages

- management of presence of tools in chain during new tool loading cycle
- simulation of tools necessary for part program

1 (one) Zoller Venturion 800 model tool presetting instrument

- Max. presetting diameter = 500
- Max. presetting length = 800

Capability for management of tool data in dialogue with machine tools



Fleet of machinery

Assembly department

1 (one) Assembly line equipped for the assembly of automatic machines

- Component lifting benches with specific equipment
- Benches equipped for assembly of small units

1 (one) final test station with operating simulator

1 (one) gantry lifting structure

- Dimensions 8000 x 4000 mm
- Maximum lifting height 4000 mm
- Maximum payload 2500 kg

1 (one) Automatic passivation system with recirculation



Fleet of machinery

Technical design department

8 (eight) workstations

- CAD program : Pro/ENGINEER

1 (one) HP DesignJet 1050c plus plotter

- Language HP-GL/2
- Maximum size A0

1 (one) HP LaserJet 5100tn laser printer

- Sizes A4 - A3

Connection on priority ISDN network with Tetra Pak site

Direct connection to Tetra Pak ERP
(SAP R3 vers. 4.5B)

Direct connection to Tetra Pak design database program
(Pro-PDM vers. 3.7)



Fleet of machinery

Workshop technical department

13 (thirteen) workstations

- CAD - CAM program: Pro/ENGINEER, Solid Works, Catia V5, Hypermill
- Vericut tool path simulation program

1 (one) HP LaserJet 5200 laser printer (for various drawings and printouts)

- Size A4 - A3

1 (one) Sharp AR-M236 laser printer/photocopier (for various drawings and printouts)

- Size A4 - A3

1 (one) HP DesignJet 600c plotter

- Language HP-GL/2
- Maximum size A0

Electronic data acquisition system for:

- Production progress monitoring
- Machine workload
- Operator management

2 (two) workstations

- CAD - CAM program: Catia V5, Solid Works, Hypermill

1 (one) HP DesignJet 500 Plus plotter



Fleet of machinery

“Poppi” Metal sheet area

1 (one) TRUMPF 3050 (5000W) laser cutter

- Working capacity 1500x3000mm, with lift master sheet automatic loading/unloading
- Cutting capacity
 - Stainless steel 200/10
 - Iron 250/10
 - Aluminium 120/10
- Compressed air cutting option

1 (one) 230 tonne TRUMPF TruBend 5230 bending machine, working surface length 3.2 m.

- Bending angle measurement

1 (one) COSTA LEVIGATRICI sander

- 3 Motor Units
- Working width 1250 mm.

1 (one) FLADDER deburring machine

- Working capacity 1250 mm.

1 (one) Component marker (chemical marking)

1 (one) Component marker (dot peen marking)

4 (four) Pillar drills

1 (one) Cross slide drill

3 (three) Pillar type threading machines

1 (one) bench robotic welding centre with tig and mig procedures

- Panasonic mod. TA1400WG robot (working radius 1374 mm at wrist centre)
- Manual torch change device (tig, mig and tig with cold wire)
- Bench with jigs for welding joints in casings and various sheet metal parts

8 (eight) TIG-MIG welders for stainless steel



Fleet of machinery

5 (five) wire welders

2 (two) bench spot welders

1 (one) suspended spot welder

1 (one) sander, 2500x1000 mm

1 (one) AA straightener press, 110 tonnes

1 (one) Grinder (Lapidello)

5 (five) belt deburring machines

1 (one) grinding wheel

Lifting equipment

2 (two) jib cranes of 125-200 kg

1 (one) jib crane of 500 kg

1 (one) jib crane of 1000 kg