



## MAIN MACHINERY AND EQUIPMENT LIST



### LATHES

| Type         | Model                           | Q.ty | CNC               | Spindle Bore (mm) | Max Turning OD (mm) | Max Turning Length (mm) | Remarks / Special Equipment                                  |
|--------------|---------------------------------|------|-------------------|-------------------|---------------------|-------------------------|--|
| CNC LATHE    | HANKOOK Hanturn Havy Duty BB550 | 1    | Fanuc 32i         | 550               | 1000                | 1000                    |  |
| CNC LATHE    | SAFOP 45/600TH                  | 1    | FAGOR 8065        | 365               | 600                 | 11000                   | N'2 Carriage , N' 2 Turret , N'2 steady rest , N'2 Tailstock |
| CNC LATHE    | MAX MULLER                      | 1    | FAGOR 8050        | 360               | 1000                | 1600                    | w/pipe loader 13 m lenght                                    |
| CNC LATHE    | HEINEMANN DN 400                | 1    | FAGOR 8055        | 360               | 775                 | 900                     | -  |
| CNC LATHE    | TACCHI                          | 1    | FAGOR 8055        | 280               | 600                 | 800                     | w/pipe loader 13 m lenght                                    |
| CNC LATHE    | MAZAK Slant Turn 550 x 2000     | 1    | Mazatrol Matrix 2 | 275               | 910                 | 3000                    |  |
| CNC LATHE    | MAX NOVO CN 350 DP 1500         | 1    | FAGOR 8055        | 200               | 650                 | 1050                    | -  |
| CNC LATHE    | SPC 350x2000 autoapprendimento  | 1    | FAGOR 8055        | 205               | 700                 | 1800                    | -  |
| CNC LATHE    | MAZAK Quick Turn 450 x 2000     | 1    | Mazatrol Matrix 2 | 185               | 580                 | 2000                    | -  |
| CNC LATHE    | GRAZIANO SAG 24 NC              | 1    | FAGOR 8055        | 129               | 650                 | 1200                    | -  |
| CNC LATHE    | GRAZIANO SAG 24 NC              | 1    | FAGOR 8055        | 129               | 650                 | 2000                    | -  |
| CNC LATHE    | SPC 350x2000 autoapprendimento  | 1    | NUM T.PLUS        | 105               | 700                 | 1800                    | -  |
| CNC LATHE    | OKUMA                           | 1    | LU 35             | 50                | 550                 | 2000                    | -  |
| CNC LATHE    | COMEV PICO 2 EVO 30             | 1    | D ELECTRON Z32    | 130               | 700                 | 3000                    |  |
| CNC LATHE    | CASTOR 72                       | 1    | FAGOR 8055        | 100               | 550                 | 1300                    | -  |
| CNC LATHE    | UTITA T200 CN                   | 1    | FAGOR 8025        | 50                | 190                 | 500                     | -  |
| CENTRE LATHE | PADOVANI LABOR                  | 1    | -                 | 108               | 300                 | 1750                    | -  |
| CENTRE LATHE | GORNATI LEGOR 250               | 1    | -                 | 105               | 500                 | 2000                    | -  |
| CENTRE LATHE | TUR 560                         | 1    | -                 | 90                | 560                 | 2100                    | -  |
| CENTRE LATHE | GEORG-FISCHER KDM-A 11          | 1    | -                 | 55                | 280                 | 840                     | -  |
| CENTRE LATHE | FIMAP                           | 1    | -                 | -                 | 300                 | 800                     | -  |



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### BORING & MILLING MACHINES

|                 |           |   |   |                    |   |   |   |
|-----------------|-----------|---|---|--------------------|---|---|---|
| BORING MACHINE  | CONTI     | 1 | - | 1600 X 1200 X 1200 | - | - | - |
| MILLING MACHINE | TOS-KURIM | 1 | - | 750 X 350 X 300    | - | - | - |
| MILLING MACHINE | DETA      | 1 | - | 700 X 300 X 450    | - | - | - |
| MILLING MACHINE | FIL       | 1 | - | 1400 X 600 X 900   | - | - | - |

### DEEP BORING MACHINES

| <i>Equipment Type</i> | <i>Model</i>             | <i>Q.ty</i> | <i>Main features</i> | <i>Remarks</i>       | <i>Special Equipment</i> |                                     |
|-----------------------|--------------------------|-------------|----------------------|----------------------|--------------------------|-------------------------------------|
| DEEP BORING MACHINE   | FRITZ WERNER             | 1           | OD 120 X L 3000 mm   | BTA solid mandrel    | -                        |                                     |
| DEEP BORING MACHINE   | STANLEY                  | 1           | OD 65 X L 2000 mm    | JECTOR solid mandrel | -                        |                                     |
| DEEP BORING MACHINE   | HEGENSCHEIDT             | 1           | OD 240 X L 4000 mm   | BTA rotating mandrel | + Peeling + Rolling      |                                     |
| DEEP BORING MACHINE   | TBT M 03-1-2500-KT NC 50 | 1           | OD 400 X L 2700 mm   | BTA rotating mandrel |                          | with 2 axis for eccentric deep bore |

### FACING & CENTRING MACHINE

| <i>Equipment Type</i>     | <i>Model</i> | <i>Q.ty</i> | <i>Main features</i>           |  |  |  |
|---------------------------|--------------|-------------|--------------------------------|--|--|--|
| FACING & CENTRING MACHINE | TOVALIERI    | 1           | 2500 mm OD X 2000 mm<br>length |  |  |  |

### GRINDING MACHINE

| <i>Tipo Macchina</i> | <i>Modello</i>   | <i>Q.tà</i> | <i>Caratteristiche principali</i> |  |  |  |
|----------------------|------------------|-------------|-----------------------------------|--|--|--|
| GRINDING MACHINE     | JOHANSSON 2P1400 | 1           | 400 mm OD X 1500 mm<br>length     |  |  |  |

### SAWING / PILLAR TYPE DRILLING MACHINES

| <i>Equipment Type</i> | <i>Model</i>     | <i>Q.ty</i> | <i>Main features</i> |  |  |  |
|-----------------------|------------------|-------------|----------------------|--|--|--|
| BANDSAW               | WOO-SUNG H 1100, | 1           | up to 1.100 mm       |  |  |  |
| BANDSAW               | UPAM             | 1           | up to 200 mm         |  |  |  |
| BANDSAW               | IMET XT 410      | 1           | up to 410 mm         |  |  |  |
| PILLAR TYPE DRILL     | MEDORI           | 1           | up to 60 mm          |  |  |  |



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### METAL COATING

| Equipment Type    | Model     | Q.ty | Main features |  |  |  |  |
|-------------------|-----------|------|---------------|--|--|--|--|
| ARC SPRAY WELDING | TAFA 6500 | 1    | 1300 A        |  |  |  |  |

### WELDING / PLASMA CUTTING

| Equipment Type        | Model                        | Q.ty | Main features |  |  |  |  |
|-----------------------|------------------------------|------|---------------|--|--|--|--|
| MIG/MAG WELDING       | FDB-WF 2428, NUOVA CERSO     | 2    | up to 400 A   |  |  |  |  |
| ELECTRIC ARC WELDING  | FRO TF4WDM500                | 1    | up to 350 A   |  |  |  |  |
| ELECTRIC ARC WELDING  | INVERTER ZX7-400 FORTUNEWELD | 1    | up to 400 A   |  |  |  |  |
| SUBMERGED ARC WELDING | LINCOLN NA-3S                | 1    | 500 A         |  |  |  |  |
| PLASMA CUTTING        | HYPERTHERM POWER MAX 600     | 1    | up to 20 mm   |  |  |  |  |

### PHOSPHATING / SHOT-PEENING / PAINTING / COLD ROLLING/SWAGING

| Equipment Type               | Model                | Q.ty | Main features         |  |  |  |  |
|------------------------------|----------------------|------|-----------------------|--|--|--|--|
| DEGREASING                   | MANUAL               | 1    | 1500 X 800 X 400 mm   |  |  |  |  |
| ZINC ACTIVATION              | MANUAL               | 1    | 1500 X 800 X 400 mm   |  |  |  |  |
| ZINC PHOSPHATING             | MANUAL               | 1    | 1500 X 800 X 400 mm   |  |  |  |  |
| MANGANESE ACTIVATION         | MANUAL               | 1    | 1500 X 800 X 400 mm   |  |  |  |  |
| MANGANESE PHOSPHATING        | MANUAL               | 1    | 1500 X 800 X 400 mm   |  |  |  |  |
| RINSING /OILING              | MANUAL               | 3    | 1000 X 1000 X 500 mm  |  |  |  |  |
| DEPHOSPHATING                | MANUAL               | 1    | (CLEMTEX GLASS BEAD)  |  |  |  |  |
| PAINTING BOOTH               | WATERFALL            | 1    | 4500 X 3500 X 3000 mm |  |  |  |  |
| PRESSURIZED SHOT-PEENING     | AUTOMATIC / MANUAL   | 2    | (STEEL - CORINDONE)   |  |  |  |  |
| VACUM JET SHOT-PEENING       | MANUAL               | 1    | (GLASS - CORINDONE)   |  |  |  |  |
| SWAGING MACHINE              | CIRMAQ 250 SW        | 1    |                       |  |  |  |  |
| STRESS RELIEF HEAT TREATMENT | ATE (induction Owen) | 1    |                       |  |  |  |  |



## MAIN MACHINERY AND EQUIPMENT LIST



### LIFTING EQUIPMENT AND VEHICLES

| <i>Equipment Type</i> | <i>Model</i>                | <i>Q.ty</i> | <i>Main features</i> |  |  |  |  |
|-----------------------|-----------------------------|-------------|----------------------|--|--|--|--|
| OVERHEAD CRANE        | OMIS, MARTE                 | 6           | up to 10 Ton         |  |  |  |  |
| JIB CRANE             | FAS                         | 5           | up to 0,25 Ton       |  |  |  |  |
| LOAD BALANCER CRANE   | FAS                         | 10          | up to 0,20 Ton       |  |  |  |  |
| MOBILE CRANE          | OMAR GRU                    | 1           | 18 Ton               |  |  |  |  |
| DIESEL FORKLIFT       | LINDE, CATERPILLAR, BENELLI | 6           | up to 7 Ton          |  |  |  |  |
| LATERAL FORK LIFT     | BENELLI SLB                 | 1           | 4 Ton                |  |  |  |  |
| ELECTRIC TRANSPALLET  | VARIOUS                     | 2           | 1,8 Ton              |  |  |  |  |
| FOUR WEEL CAR         | NISSAN PATROL               | 1           | -                    |  |  |  |  |
| FOUR WEEL CAR         | FORD                        | 1           |                      |  |  |  |  |
| CARS                  | VARIOUS                     | 5           | -                    |  |  |  |  |



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## QUALITY CONTROL EQUIPMENT

| <i>Equipment Type</i>      | <i>Model</i>               | <i>Q.ty</i> | <i>Main features</i> |  |  |  |  |
|----------------------------|----------------------------|-------------|----------------------|--|--|--|--|
| CND EQUIPMENT              | MAGISCOP MAG 6000 NEW CGM  | 2           | 90 KW                |  |  |  |  |
| CND EQUIPMENT              | MAGISCOP MAG 3500 ST CGM   | 1           | 20 KVA               |  |  |  |  |
| YOKE                       | YOKE 48 VCC CGM            | 1           | 48 Vcc               |  |  |  |  |
| PROFILE PROJECTOR          | MITUTOYO PV 5110           | 1           | Diameter 508 mm      |  |  |  |  |
| PROFILE ACQUISITION        | MITUTOYO                   | 1           | -                    |  |  |  |  |
| DUROMETER                  | OFFICINE GALILEO HR-HB7CM  | 1           | -                    |  |  |  |  |
| ROUGHNESS METER            | MITUTOYO                   | 1           | Portable             |  |  |  |  |
| THICKNESS GAUGE            | MITUTOYO                   | 1           | Portable             |  |  |  |  |
| CALIBRATION MASTER STATION | GAGEMAKER MIC TRAC MT 4000 | 1           |                      |  |  |  |  |
| THERMOHYGROMETER           | DELTAOHM HD2301.02         | 1           | Portable             |  |  |  |  |
| TITRATOR SYSTEM            | MATLER TOLEDO T50          | 1           |                      |  |  |  |  |
| THREAD GAUGES              | ADMS + API                 | 1           |                      |  |  |  |  |
| MRPs& STD INSP. INSTR.     | FULL API SET               | 1           |                      |  |  |  |  |
| EMULSION FILTRATION SYSTEM | FILTRA ROLL 5.13           | 1           |                      |  |  |  |  |
| AUTOMATIC TOOL DISPENSER   | SUPPLY POINT MODULO        | 1           |                      |  |  |  |  |