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| TIPO G25 LG |
| AUTOMATIC CNC DRILLING, MILLING & THERMAL |
| CUTTING SYSTEM FOR LARGE PLATES |

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| **MAIN TECHNICAL SPECIFICATIONS** |  |  |
| ***Specifications of the large plate to be processed (entry side):*** | | |
| Length | max. mm | 8000 |
|  | min. mm | 1250 |
| Width | max. mm | 2540 |
|  | min. mm | 800 |
| ***Specifications of the processed piece (exit side):*** |  |  |
| Length | min. mm | 200 |
| Width | min. mm | 150 |
| ***Drilling capacities:*** |  |  |
| Vertical drill heads | no. | 1 |
| Spindle per vertical drill head | no. | 1 |
| Maximum hole diameter that can be drilled (milled) | mm | 40 (250) |
| Minimum plate thickness | mm | 5 |
| Maximum thickness that can be drilled | mm | 100 |
| Maximum drilling thrust | N | 5000 |
| Spindle rotation motor (S3) | kW | 15 |
| Spindle rotation speed with continuous adjustment from program | RPM | from 250 to  7000 |
| ***Other Specifications:*** |  |  |
| Thickness of the large plate | min.mm | 5 |

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|  | max.mm | 100 |
| Positioning weight | kg | 5000 |
| Linear weight of the large plate | kg/m | 750 |
| Maximum longitudinal traverse speed (X axis) | m/min | 30 |
| Cross positioning speed (Y axis) | m/min | 56 |
| Auxiliary axis positioning speed (U axis) | m/min | 42 |
| Working level height | mm | 850 |
| ***Thermal cutting features (mild steel):*** |  |  |
| Maximum thickness of the plate with XPR300: |  |  |
| - production pierce | mm | 45 |
| - edge cutting | mm | 80 |
| - With bevel cut at 45° - production pierce | mm | 32 |
| - With bevel cut at 45° - edge cutting | mm | 56 |
| ***NOTE -*** *The raw material mentioned on this quotation are in accordance with the following standards: UNI EN 10025 for technical conditions*  *UNI EN 10029 for dimensional tolerances*  *UNI EN 1090 - UNI EN 9013 for pieces execution tolerances* | | |

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|  | **SYSTEM CONFIGURATION** |
| **BA** | **TOTAL AMOUNT OF THE STANDARD CONFIGURATION** |
| **IC** | **MATERIAL INFEED CONVEYOR (FOR PLATES UP TO 6 MT)** |
| IC-01 | Carriage supporting structure |
| IC-02 | Carriage |
| IC-03 | Idle rolls rollerway |
| OIC-01/1X | Pincher supporting structure and rollerway extension for 8 mt long plates |
| OIC-07 | Processing of plates with a maximum weight of 10.000 kg |
| **WU** | **WORKING UNITS** |
| WU-01 | Fixed frame with cross-guide positioning system |
| WU-02 | Monospindle vertical drill head |
| WU-03 | Cross slide |
| OWU-01 | Swarf conveyor for the drilling unit |
| OWU-04 | Tool-change system with 24 positions for drilling head |
| OWU-05 | Marking unit (38 positions) |
| **CU** | **THERMAL CUTTING UNIT** |
| CU-01 | Plasma cutting system with XPR300 (straight cut) |
| OCU-01 | First oxycutting torch (propane-tetrene) |
| **OC** | **MATERIAL OUTFEED CONVEYOR (FOR PLATES UP TO 1,5 MT)** |
| OC-01 | Outfeed rollerway |
| OOC-01/2X | Outfeed conveyor with idle rolls for 8 mt long plates (and relevant pincher support) |
| OOC-03 | Device to unload processed pieces |
| OOC-04 | Automatic conveyor for 600 x 600 mm heavy pieces (for trap door to unload processed pieces) |

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| **HY** | **HYDRAULIC AND PNEUMATIC SYSTEM** |
| HY-01 | Hydraulic power pack |
| HY-02 | Pneumatic system |
| **EL** | **ELECTRICAL SYSTEM** |
| EL-01 | On board distribution system |
| EL-02 | Electric cabinet |
| **CN** | **PEGASO CONTROL UNIT** |
| **SW** | **SOFTWARE** |
| SW-01 | Office Technology Central first licence (hardware not included) |
| **PA** | **STANDARD PAINTING** |
| **TD** | **TECHNICAL DOCUMENTATION** |
| **TR** | **TRAINING (AT FICEP S.P.A.) (TRAVEL, FULL BOARD AND LODGING EXPENSES ARE EXCLUDED)** |

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| **CO** | **COMMISSIONING (TRAVEL, FULL BOARD AND LODGING**  **EXPENSES EXCLUDED)** |

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| **SP** | **SAFETY PROTECTIONS** |
| SP-01 | Protections on the machine (included) |
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