FCM Flame/Oxy cutting with 6 oxy torch unit

Standard Accessories

- Infinity Wesbus CNC Control Unit
- Lantek Expert Cut with auto nesting
- Torch Hight Control (IHT)
- Automatic Oxy Fuel Ignition
- Automatic distance control unit
- Two side motion control system (with rack / pinion)
- All axis AC digital Servo system.
- Rotative CNC control panel
- Speed control device
- Multi head oxy fuel cutting possibilities.
- Without Table

Uzma FCM Series Flame/Oxy Cutting Machines has a double side gear drive and it's designed for positioning capability at high speeds. You will have a precise cutting ability at X-Y axis with linear guide ways and 15m/min speed.

MODEL	**CPL - Plasma Cutting Machine**
Machine Speed	**15.000 mm/min**
Positioning Accurancy	**0,1 mm**
Repeatability	**0,1 mm**
Torch	**1 pieces standart (more torches as option)**
Cutting capacity	**200 mm on single head cutting**
Motor drivers	**Digital Servo**
Control System	**Infinity Wesbus (Linatrol – CANADA)** **19" TFT LCD Touch Screen Monitor**
Height Control	**Capacitive – Arc Distance Control Sensor (IHT)**
Rails	**X Axis : Mannesman** **Y Axis : Precisely machined rails on HEB I Platform**

Mechanical System

- **Bridge Cooling : There is 50 mm gap which provides air circulation. Additionally, There is also protection sheet. Therefore, This system reduces the heating of the bridge**
- **Y Motion System : Rail system and precision gear racks on the H platform**
- **X Motion System : Parallel connected to the surface with rack and linear rails**

Cutting Head

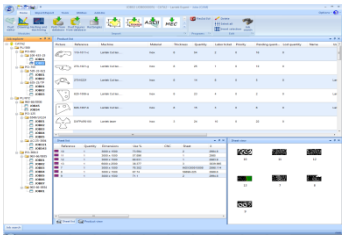
- **Automatic distance control**
- **Automatic Ignition**
- **Oxygen check valves which prevent flashbacks**
- **Collation: System that protects against shock sensor system**
- **Post – Crash Machine Stop Feature**
- **TANAKA Cutting Head, cuts up to 200 mm. (Only on one head Cuttings)**
- **Fireproof Hoses**
- **BURKERT or PARKER solenoid valves**

CNC Unit

- Industrial type PC appeals to today's technology and related hardware
- 19" SVGA Color Touch Screen TFT LCT inc.
- High level software that contains all cutting processes
- Full automatic nesting system
- The CNC programs,LOS,ESSI,EIA, etc … to register and run this type of files
- Halt during the cutting operation; rewind and forward. Changing the position of the machine and resume the cutting where it left off.
- Changing the shapes during the cutting then turn back to first shape where you left
- It is possible to see and intervene all process during the cutting (Blasting time, Blasting height cutting speed, etc …)
- Simulation on the Screen for follow up the actual cutting with the cutting program

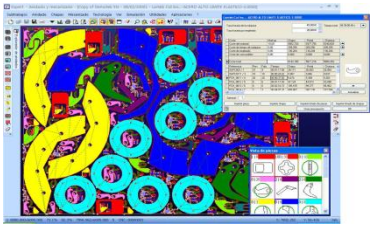
Hardware Specifications

- Single mainboard computer with Intel Celeron 2GHz processor (or Better)
- 4 USB Interfaces – Peripheral devices/File transfer/ Software key
- 3 Serial Interfaces COM1, COM2, COM3, SXGA Graphics
- 2 PS/2 interface for keyboard and mouse
- 1 Parallel interface – LPT1
- Network interface – RJ 45 Ethernet 10/100
- 80 Gb Hard Drive (Minimum)
- 4 Axises motion Control CCA with analog output
- 48 inputs / 32 outputs (2 x 24 / 16 out CCA)
- Industrial stainless steel computer tower
- 19" Touch Screen Display – TFT LCD



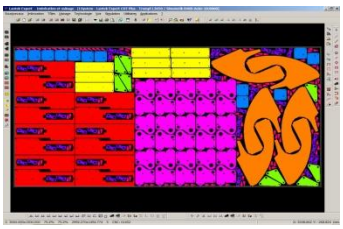
lantek Expert Cut Software

- Lantek Expert cut is a CAD/CAM system specially designed to automate the programing of plasma cutting machines. It is the result of over 25 years experience and close colloboration with manufacturers and users of plasma machines.
- It perfectly combines machine technology with the customer's programing and management needs. Lantek expert Cut offers an advanced, intuitive and friendly interface able to improve the user's efficiency when it comes to programing.



Nesting

- Automatic and manual nesting provides great flexibility and optimum performance.
- The perfect combination of automatic and semi automatic nesting along with powerful manual nesting functions like: copying, moving, rotating, etc.
- The automatic nesting of Lantek Expert optimizes the utilization of parts on any sheet remnant.



Oxycut Technology

- Lantek Expert Cut supports technological elements such as : chamfers, loops and bridges. It perfectly manages different types of heads/torches and handles any changes between them.

All datas are approximate. Design and datas can be changed without notice