

# Robot Puma Mono for Pipe Chamfer

Green Project offers a unique solution consisting of a Robot for punching the pipe chamfer using its PUMA Mono unit. Robot machines are more flexible than standard machines as they can be easily updated / modified in order to satisfy new marking requirements.

## Main Marking Features

- Cold and Hot application up to 750 °C
- Static (pipe stopped under marking machine)
- Marking position: circumferential on the pipe chamfer
- Symbols: letters, numbers, special characters (logos), Data Matrix code
- Characters are composed by a sequence of dots generated combining the high precision trajectory of the robot wrist with the high frequency percussion of the pin
- Height of symbols from 5 mm to 20 mm, in one line



**System configuration**

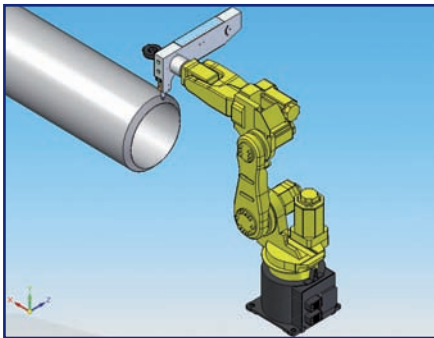
- Six axes Robot
- One PUMA Mono marking head
- Pneumatic cabinet
- Power and control cabinet
- Work cell with safety fence
- Control desk with HMI
- For hot applications, the system is equipped with a kit for thermal protection

**Functional features**

- Automatic adapting to different pipe dimensions
- Automatic detection of pipe position
- Automatic detection / marking of circumferential zero position
- Host connection (Ethernet, Profibus or other common industrial fieldbus)

**Optional function**

- Marking a *Data Matrix* code readable by a standard reader (combined marking / reading function to achieve automatic tracking of pipes)



Certif. n° 1235/98



Certif. n° EMS-1724/S

