

Pneumatic Clamps

► Tanks and equipment

During the processes that require electrical current (e.g. anodising, electrocoloring and electro brightening) it is important to ensure the electrical continuity between the power supplier and the profiles without hazards.



Contact between the bus bars and the flight bar is normally ensured by a clamp: when the profiles enter the tank, the pneumatic clamp system closes giving perfect electrical contact between the power transmission bus-bars (connected to the current supplier) and the flight bar (and the attached aluminium profiles).

The system can be fully automatic through the command, the control switchboard and its PLC, that supervises the opening and closing phases of the clamp.

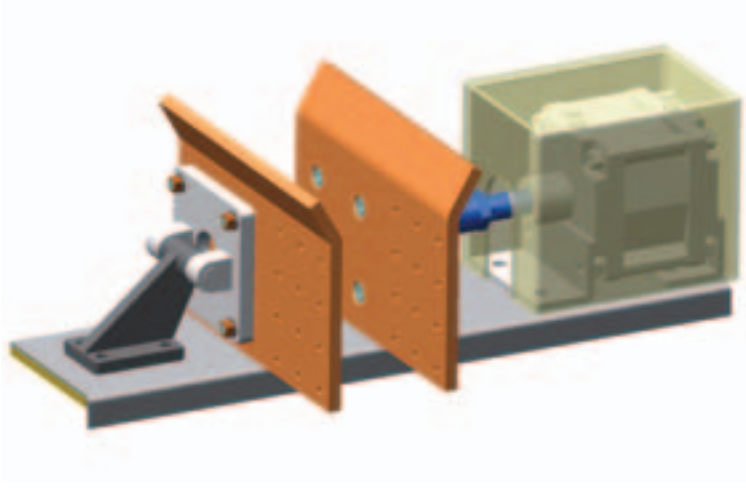
It is also possible to operate in manual mode with a local manual command.

The system requires a standard compressed air supply at about 6 bar of compression.



Tandem clamp under construction

Aluengineering's clamps are designed in such a way that they don't heat therefore they need no cooling system and power loss is negligible.

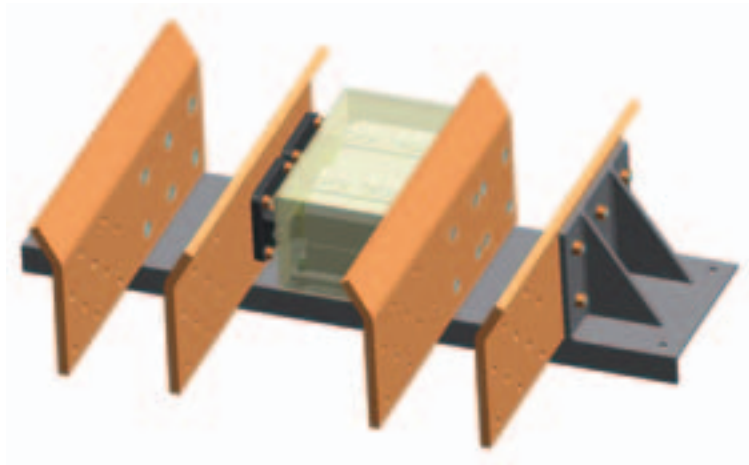


Single

Traditional system for single flight bar

Tandem

2 positions for double flight bar. The external part of the clamp does not move and only the two centre parts give pressure to the bars.



Twin

2 positions for double flight bar. All the parts of the clamp move allowing more efficient pressure on the bars.

