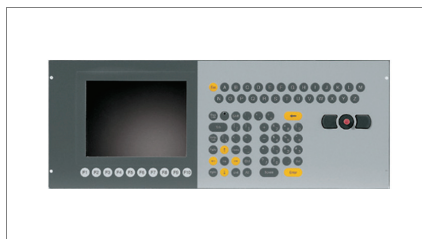


Twin Electra Sun

Twin-head cutting-off machine



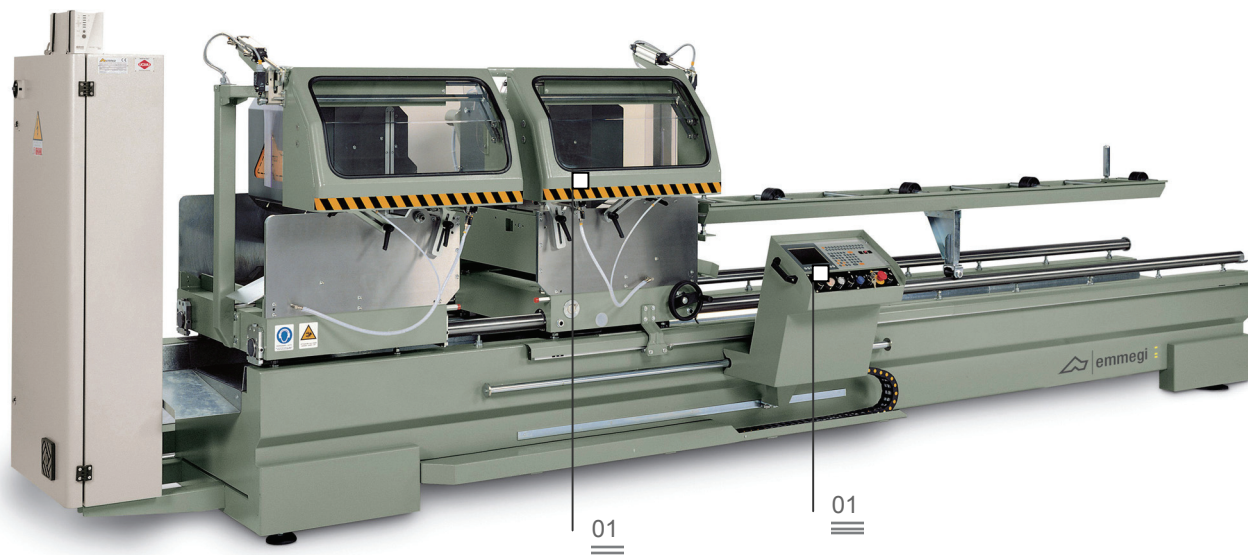
Control

01

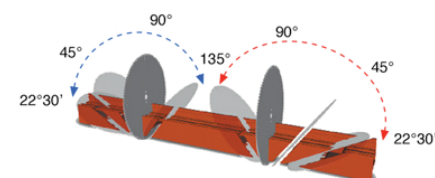


Tilting of the moving cutting heads

02

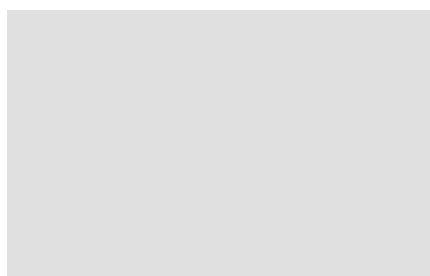


The Emmegi twin-head cutting-off machines boast of exceptional performance characteristics, including ruggedness and reliability. This machine is the ideal tool for cutting aluminium and PVC bars in various thicknesses and at different angles. Latest generation machines which can make a considerable contribution to the production cycle thanks to their high standard of accuracy and user-friendliness. Twin Electra Sun is a twin-head cutting-off machine with 3 controlled axes. It features automatic traversing of the moving cutting head as well as electronic control of all the angular settings from 45° (internal) to 22°30' (external) with accuracy on each degree of 240 places. The machine can be provided with an industrial label printer to enable profile identification and association with relative job.



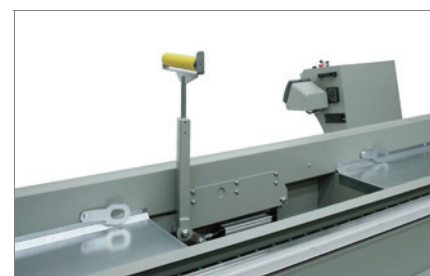
Electronic profile thickness gauge

03



Intermediate support

04



Twin Electra Sun

Twin-head cutting-off machine

01

Control

The user-friendly control panel installed on the various models, runs on bearings and allows correct positioning according to cutting specifications. The work cycle is optimized through creation of the cutting lists thus reducing scrap as well as workpiece loading/unloading times.

02

Tilting of the moving cutting heads

Tilting of the moving cutting heads is powered by servomotors with encoder while relative positioning is controlled electronically and parameterized by the control system, which has a simple user-friendly operator interface. The moving cutting heads are fully guarded in the work zone and lowering of these guards is pneumatic.

03

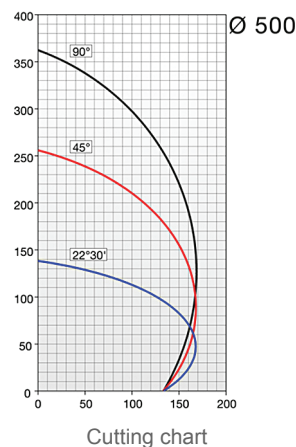
Electronic profile thickness gauge

This sophisticated profile thickness control system allows automatic correction of the cutting dimension in relation to the actual size of the profile, with relative tolerance derived from surface treatments such as painting, anodization, etc. The device can be used at the operator's discretion and in various modes, according to different probing cycles with consequent correction of the entire cutting list, including the formula of the macro.

04

Intermediate support

The pneumatic intermediate support proves highly useful when cutting light profiles with considerable lengths. In such case the pneumatic support automatically seeks to create the ideal condition to support the profile. This accessory is available for all lengths, but it is especially recommended on machines with cutting capacity of 5 and 6 metres.



CONTROL CHARACTERISTICS

Industrial Computer "Windows XPE" compatible	
6.5" colour TFT graphic monitor	
1 GB DOMM memory	
Mouse built into keyboard	
Provision for connection to industrial label printer	
Provision for connection to remote PC via USB, network or serial port (depending on version)	
Execution of cyclic cuts from cutting lists and macros	
Execution of single cuts	
Memorization of 500 profile compensations with automatic calculation of the size for angle cuts	
Memorization of 500 cutting lists (each with 1000 lines) via keyboard	
Optimization of bars	

MACHINE CHARACTERISTICS

Electronic control of intermediate angles	
Measurement of moving cutting head position via direct measuring system with magnetic tape	
2 carbide-tipped blades	
Full guard for cutting zone, pneumatically operated	
Pair of horizontal pneumatic clamps with "low pressure" device	
Vertical clamping system with horizontal clamp	
Profile support roller conveyor	
Minimum quantity oil lubrication system	
Manual profile support	
Provision for automatic start of swarf exhaustor MG4	
Metric scale	
Cutting capacity 4/5/6 m depending on model	
Blade motor power rating (kW)	2.2