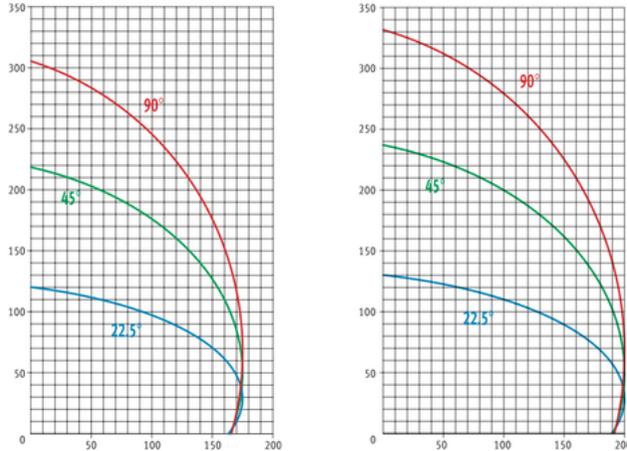


Double-head front cutting machine

**DH 500 AE - DH 550 AE**

Cutting diagram

**DH 500 AE DH 550 AE**



## TECHNICAL CHARACTERISTICS

- No. 2 three-phase motors 2.2 kW - 400V - 50Hz
- N° di giri: 2800 min<sup>-1</sup>
- Useful cutting: 6000 mm (DH 500 AE – 6000 and DH 550 AE – 6000)
- 4000 mm (DH 500 AE – 4000 and DH 550 AE – 4000)
- Minimum cut: 320 mm (with heads tilted at 45°)
- Blade diameter: 500 mm (DH 500 AE) – 550 mm (DH 550 AE)
- Blade shaft diameter: 32 mm
- Operating pressure: 7 bar
- Head tilting at any angle between 90° and 22.5° using brushless motors with sensors on magnetic band and pneumatic locking in cutting position
- Entering the positioning quota of the moving head with control of the minimum distance between the heads
- Pneumatic-hydraulic blade advancement
- Controls for adjusting blade output speed
- Oil lubrication using a variable flow nebulizer
- Clamping system with differentiated pressure and safety servo valves
- Machine dimensions: 960 mm (a) x 1600 mm (b) x 1750 mm (c)
- (DH 500 AE – 6000 and DH 550 AE – 6000)
- 760 mm (a) x 1600 mm (b) x 1750 mm (c)
- (DH 500 AE – 4000 and DH 550 AE – 4000)
- Machine weight: 2050 Kg (DH 500 AE – 6000 and DH 550 AE – 6000)
- 1700 Kg (DH 500 AE – 4000 and DH 550 AE – 4000)

## Double-head front cutting machine

**DH 500 AE - DH 550 AE****STANDARD EQUIPMENT**

- Hard metal blades
- Pair of pneumatic horizontal vices
- Pair of pneumatic vertical vices
- Filter reducer group with 2 air guns
- Profile support roller conveyor L = 2000 mm (4 m versions)
- L = 2800 mm (6 m version)
- Scrap conveyor chute
- Provision for connection of extractor fan
- Installation, use and maintenance manual in the following languages:
- Service keys

**ACCESSORIES ON REQUEST**

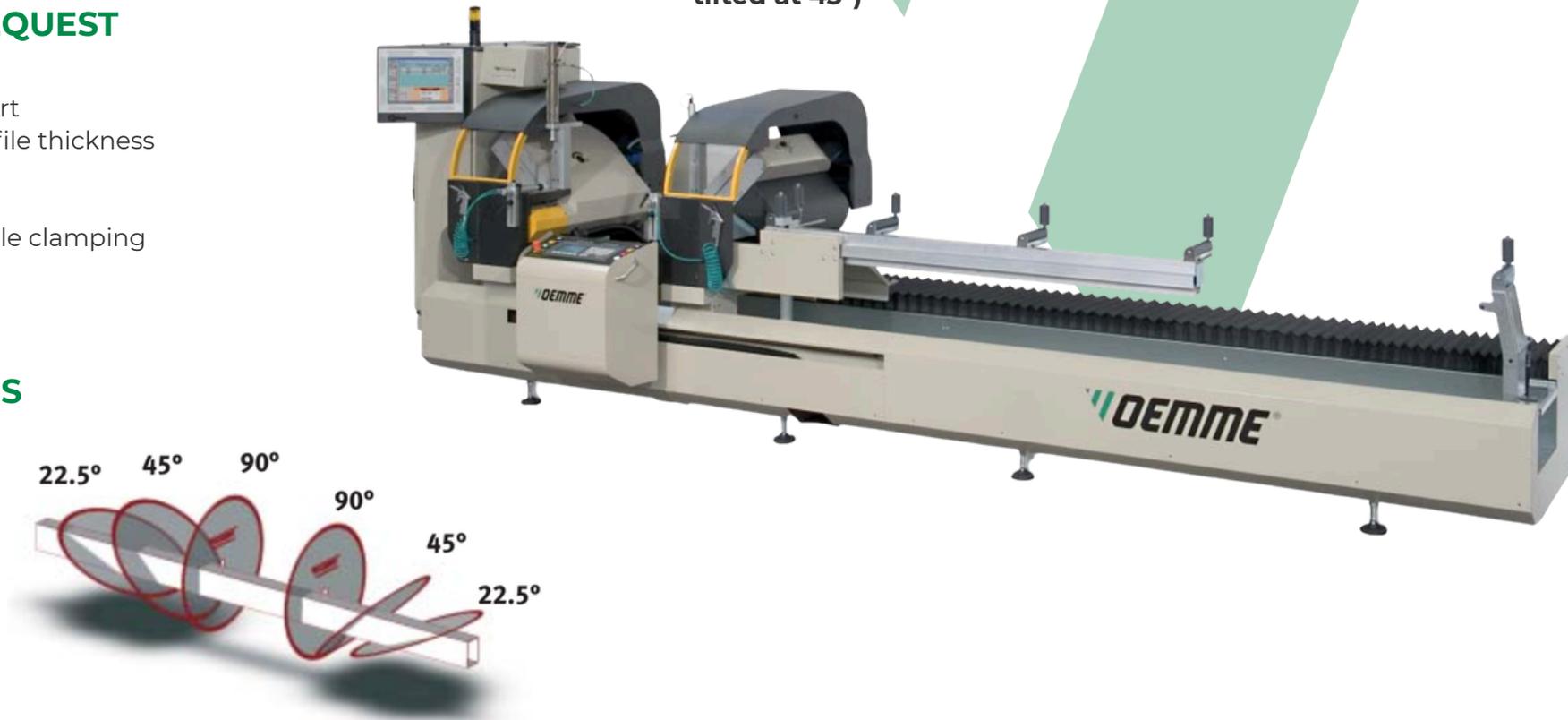
- Chip conveyor belt
- Excludable profile support
- Sensor for detecting profile thickness
- Aspirator
- Minimal lubrication kit
- Counter-profiles for profile clamping
- Cutting oil

**AVAILABLE VERSIONS**

- DH 500 AE – 4000
- DH 500 AE – 6000
- DH 550 AE – 4000
- DH 550 AE – 6000

**DH 500 AE - DH 550 AE**

- **Double-head cutting machine with front blade exit**
- **Head tilting at any angle between 90° and 22.5° externally managed directly by the NC**
- **Moving head positioning managed directly by the NC**
- **Brushless motors with magnetic strip sensors for head tilt control**
- **Brushless motor with magnetic strip sensor for moving head positioning control**
- **Minimum cut: 320 mm (DH 500 AE and DH 550 AE with heads tilted at 45°)**



## Double-head front cutting machine

### DH 500 AE - DH 550 AE

#### CONTROL FEATURES

- OCD 280 industrial control system with LCD display
- Alphanumeric membrane keyboard
- PC Touch screen con monitor LCD 15"
- Graphical display of profiles and typologies
- Storage of an archive of profiles, types and accessories
- Cutting list optimization
- Graphical display of the bar being processed
- Provision for connection to office PC via Ethernet network
- USB port for connecting external hard drives
- Barcode label printer
- Step-by-step cutting execution
- Making undercut cuts
- Execution of custom cuts
- Provision for connection to a probe for profile height detection



1. Touch screen PC with software for cutting optimization and barcode label printing

### DH 500 AE - DH 550 AE



**The use of brushless motors with sensors on magnetic strips guarantees high positioning precision and excellent repeatability**



**The mobile control unit can be easily positioned thanks to the use of cable guides and chains**



**The front part is equipped with a large waste collection tank and the guides are protected by a bellows**