

# eADU<sup>®</sup> enhanced Automated Drilling Unit Elec 500-800-1600 Watts



The eADU<sup>®</sup> is an innovative and sustainable drilling unit for drilling and countersinking applications and it is dedicated to the aerospace industry.

- **Architecture: Electrical motor/Electronic process/Mechanical feed**
- **IPC: Intelligent Process Control**
- **Data recording**
- **Reduced power consumption and noise level**



Low power  
consumption



Process  
control

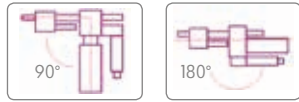


Low noise

# The eADU® is a real technical breakthrough in the field of automated drilling for the aerospace industry

## CONFIGURATION

- Electrical motor
- Mechanical feed
- Electronic process control



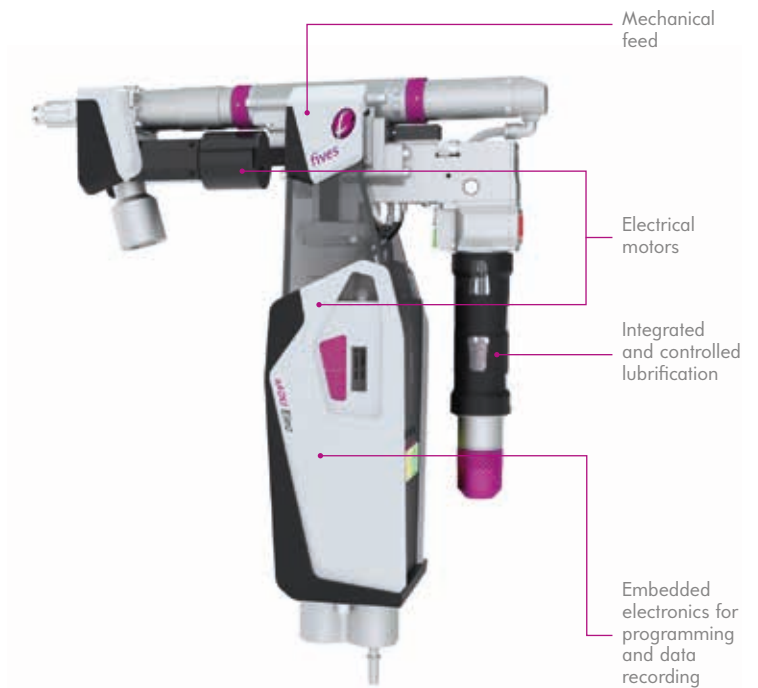
## EQUIPMENT

- Concentric Collet programmable from 40 to 250 daN
- Quarter Turn
- C clamping
- Offset crowfoot
- DASA

Technical features	
2 configurations	In line or right angle
3 motors	500 W, 800 W or 1600 W
Spindle speed	500 to 9,300 rpm
Torque	1 to 18 Nm and 1 to 36 Nm
Power	220 V mono, 6.5 bars
Feed rates	0.026 – 0.05 / 0.08 / 0.10 / 0.16 mm/tr
Weight (depends motor)	2.5 kg (basic machine 500 W)
Dimensions	250 x 350 mm (basic machine 500 W without equipment)
Tools	Compatible with all tools
Countersink	Setting precision: 20 µm
Spindle attachment	¼ 28F; 5/16 24F; 3/8 24F; 7/16 20F
Spindle stroke	20 to 140 mm (more if necessary)



Images, descriptions and technical data are for descriptive purposes only, and may be subject to change.



## APPLICATIONS

- Drill and ream with countersink:
  - 500 W -  $d \leq 6.35$  mm (1/4")
  - 800 W -  $d \leq 12.7$  mm (1/2")
  - 1600 W -  $d \leq 25.4$  mm (1")
- Materials (all stacks):
  - Aluminium
  - Carbon
  - Titanium
  - Steel

## KEY ADVANTAGES

### High performance

- Low power consumption (10 to 20 times inferior to pneumatic ADUs)
- Low noise <70 dB
- Embedded electrovalve control
- Fast feed
- Fast spindle return

### Controlled process

- Programmable process
- Data recording
- Adjustable spindle speed (electronic)
- Adjustable CC
- Stable spindle speed
- Lubrication control
- Automatic stroke adaptation for stack thickness variation

### Advanced conception

- Torque limited system
- Through spindle coolant
- Quick equipment and tool change
- Easy maintenance