



EOS **EJECTION OF SATELLITE**

The Small Satellite Deployer by **MECANO ID**

MECANO ID proposes a new type of deployer with high technical performances, compatible with a wide range of nanosatellites and launchers.

PERFORMANCES

- **SATELLITE RANGE : 15 KG** (12U) **TO 60 KG** (27U)
- **LOW SHOCK** AT SATELLITE INTERFACE < 100g
- **VERY LOW SPIN** ($\omega < 3^\circ/S$)
- **LIGHTWEIGHT : 3,50KG** WITH A FLY AWAY PART OF 415g

- **COMPATIBLE WITH ANY LAUNCHER**
- **PREDICTABLE MECHANICAL LEVELS**
- **LOW COST**



EOS is a new type of deployer developed by MECANO ID with high technical performances compatible with a wide range of nanosatellites (15 – 60kg) and launchers.

In addition to its high performances, EOS has other attractive benefits: The flight away part can be easily adapted to the customer's needs, the assembly of EOS with the satellite on the launcher is also easy due to free access to the interface holes.

MECANO ID designs and builds dominantly mechanical and thermal subsystems for spacecraft instruments, equipments or structures. For any specific need or any question, you can contact us at : busdev@mecano-id.fr - +33 534 608 400



MECHANICAL INTERFACE

NOMINAL INTERFACE SATELLITE :

- \varnothing 203mm (8")
- 12 HOLES \varnothing 6.5mm
- COULD BE ADAPTED WITHOUT DIFFICULTIES

LAUNCHER INTERFACE

- \varnothing 272mm
- 8 HOLES \varnothing 8.5mm

THERMAL DATA

- **OPERATING TEMPERATURE** : -55°C / +100°C
- **THERMAL RESISTANCE BETWEEN LAUNCHER AND**

SATELLITE : 1.18 W/K

- **EMISSIVITY FLY AWAY PART** : 0.1
- **ABSORPTIVITY FLY AWAY PART** : 0.34

ELECTRICAL INTERFACE

SUB-HD 15 PINS MALE CONNECTOR MOUNTED

ON EOS :

- **DEPLOYMENT COMMAND :**
 - **ACTUATION CURRENT**: 5 - 6.5 A
 - **NOMINAL FEEDING TIME** 40 - 100 ms
- **SEPARATION CONNECTOR 0, 1 OR 2 (ON DEMAND)**

SEPARATION CHARACTERISTICS

SEPARATION ENERGY : 10 TO 40J S

SEPARATION VELOCITY : 0.5 TO 2.3 M/S

ROTATION RATE : $0 \pm 3^\circ/S$

TIME TO DISPLAY : < 100 ms

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