

HIGH THRUST PROPULSION FOR +100 KG SATELLITES

ENGINEERED FOR BULK MANUFACTURING

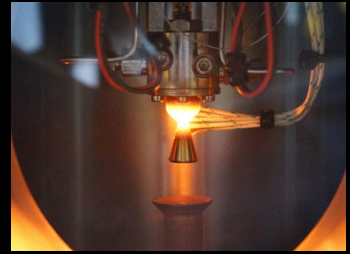
1000X POWER EFFICIENCY OVER ELECTRIC

30 SECOND WARM UP TIME

HIGH REVENUE | DEFENCE | CONSTELLATIONS

SYSTEM

| | |
|----------------------------------|--------------------------------------|
| Total impulse | 22,500 Ns |
| Power efficiency | 11 mN/W |
| Form factor | 680 x 370 x 175 mm |
| LV compatibility | SpaceX Half Plate / Exolaunch C15 |
| Wet / dry mass | 25 kg / 15 kg |
| Propellants | Nitrous Oxide (N2O) Ethane (C2H6) |
| Peak power | 690W (max steady state thrust) |
| Survival / operating temperature | -20 to 45 °C / 5 to 30 °C |



THRUST CAPACITY

| | |
|----------------------------|---|
| Thrust range, bipropellant | 1600 to 7600 mN |
| Thrust range, cold-gas | 140 to 1360 mN |
| Capabilities | Steady state capable. Throttleable through closed-loop control. |



OPERATIONS

| | |
|---------------------|---|
| Warm up time | 30 seconds |
| Momentum management | Thrust vector control through closed-loop engine controllers. |
| Propellant filling | Handled by North Propulsion during launch integration. |
| Export | Export controlled under Regulation (EU) 2021/821, 9A004.e.3 ('Attitude and orbit control' systems designed for 'spacecraft'), and subject to the U.S. Export Administration Regulations (EAR), ECCN 9A515.x. Not subject to the ITAR. |



IOD PLANNED IN 2027

**200 SYSTEMS P.A.
FROM 2028**

€400K PER SYSTEM
BULK DISCOUNT AVAILABLE