

IHI Aerospace has manufactured and delivered over 200 bipropellant thrusters for rockets and satellites since the start of development in 1964.

Hydrazine Bipropellant Thrusters



High performance

450N Thruster (Hydrazine/NTO)

Thrust: 450[N](Nom)
Isp: 329[s](Nom)
Inlet pressure: $<F>1.69/<O>1.62$ [MPa](Nom)
Demonstrated life: 32,850[s]

Status: Flight proven

22N Thruster (Hydrazine/NTO)

Thrust: 21.5[N](Nom)
Isp: 295[s](Nom)
Inlet pressure: 1.69[MPa](Nom)
Throughput: 583[kg]

Status: Flight proven



Many flight heritages

MMH Bipropellant Thrusters



Low-price, high-reliability

490N Thruster (MMH/MON3)

Thrust: 478[N](Nom)
Isp: 316[s](Nom)
Inlet pressure: 1.72[MPa](Nom)
Demonstrated life: 15,000[s]

Status: Flight proven

120N Thruster (MMH/MON3)

Thrust: 124.4[N](Nom)
Isp: 274.9[s](Min)
Inlet pressure: 2.05[MPa](Nom)
Demonstrated life: 40,000[s]
Throughput: 446[kg]

Status: Flight proven



No limitation for pulse-firing cycle time

IHI AEROSPACE Co., Ltd.

For more information, please contact: **Sales & Marketing Department**
900 Fujiki, Tomioka-shi, Gunma-ken 370-2398 Japan Tel: +81-274-62-7663 Fax: +81-274-62-7734
www.ihico.jp/ia/en E-mail: info.sat.prop@iac.ihico.jp