



**TI-FORCE OFFROAD
EXHAUST SYSTEMS**

TOOBEE.CO.LTD

TiFORCE[®]
T I T A N I U M

Development Concept

- Full exhaust made of lightweight Titanium.
- Not designed for maximum power only, but providing the performance that best suits the field.
- High quality off road exhausts, just like the TiForce super-sport exhausts





Technology



YZ250F: Conical Head Pipe



03-WR250F: Ring-cut Welding



XR50: Inner Piece



Spark Arrester



Technology Part 1: Conical Head Pipe



- Conical Head Pipe for middle to high speed power
- Taper part is hand-bent for the smoothest curvature.



Technology Part 2: Ring-cut Welding



- The ring-cut method can produce the smallest radii, which are not possible with CNC bending method



Technology Part 3: Inner Piece

- XR50 is equipped with an inner piece to allow the pipe to suit from 50 to 88cc





Technology Part 4: Spark Arrester



- Spark Arrester is available as an option
- Easy single circlip attachment to the body

TITANIUM FORCE

Lineup



•YAMAHA YZ250 F

Power up throughout the range

•YAMAHA YZ450 F

With a double-conical construction giving impressive power boost at lower speeds as well as an increase at high engine speed

•YAMAHA 03-WR250 F

Used for Enduro middle to lower speed ranges are up



•HONDA XR50

The first Titanium XR50 exhaust, includes inner piece adaptor for 50 to 88cc

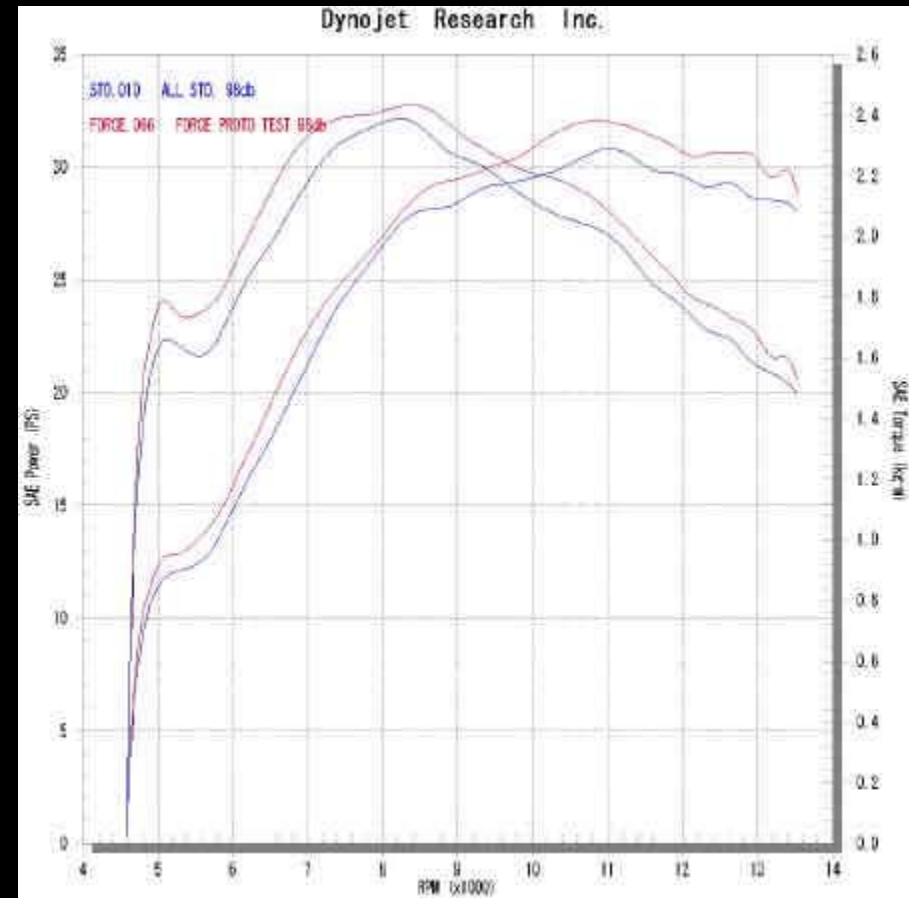




YAMAHA YZ 250F



- Head Pipe: Titanium $\Phi 35$
- Tail Pipe: Titanium $\Phi 45$
- Style: Conical Barrel
- Silencer: $\Phi 100 \times 380\text{mm}$
- Weight: 2.45kg
- Sound Volume: 98db/A

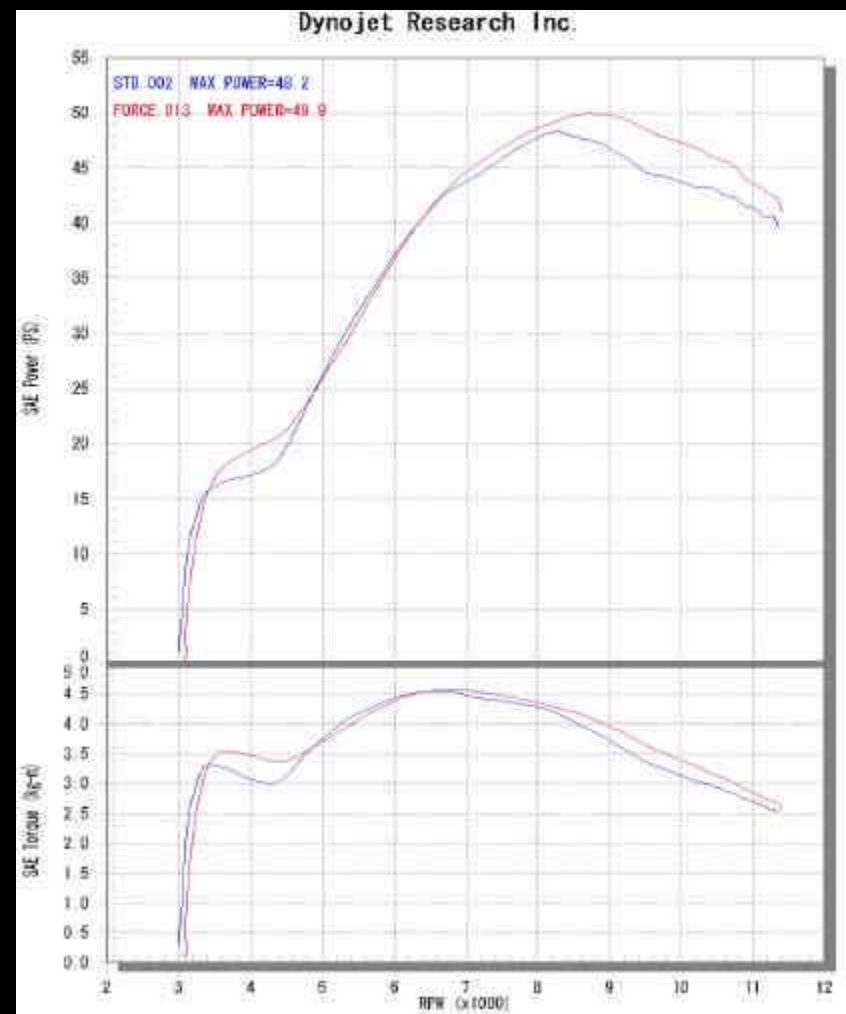


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YAMAHA YZ 450F



- Head Pipe: Titanium Φ 35
- Tail Pipe: Titanium Φ 45- Φ 50.8
- Style: Conical Barrel
- Silencer: Φ 100 x 380mm
- Weight: 2.38kg
- Sound Volume: 101db/A
- Option Spark Arrester available



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YAMAHA YZ 450F



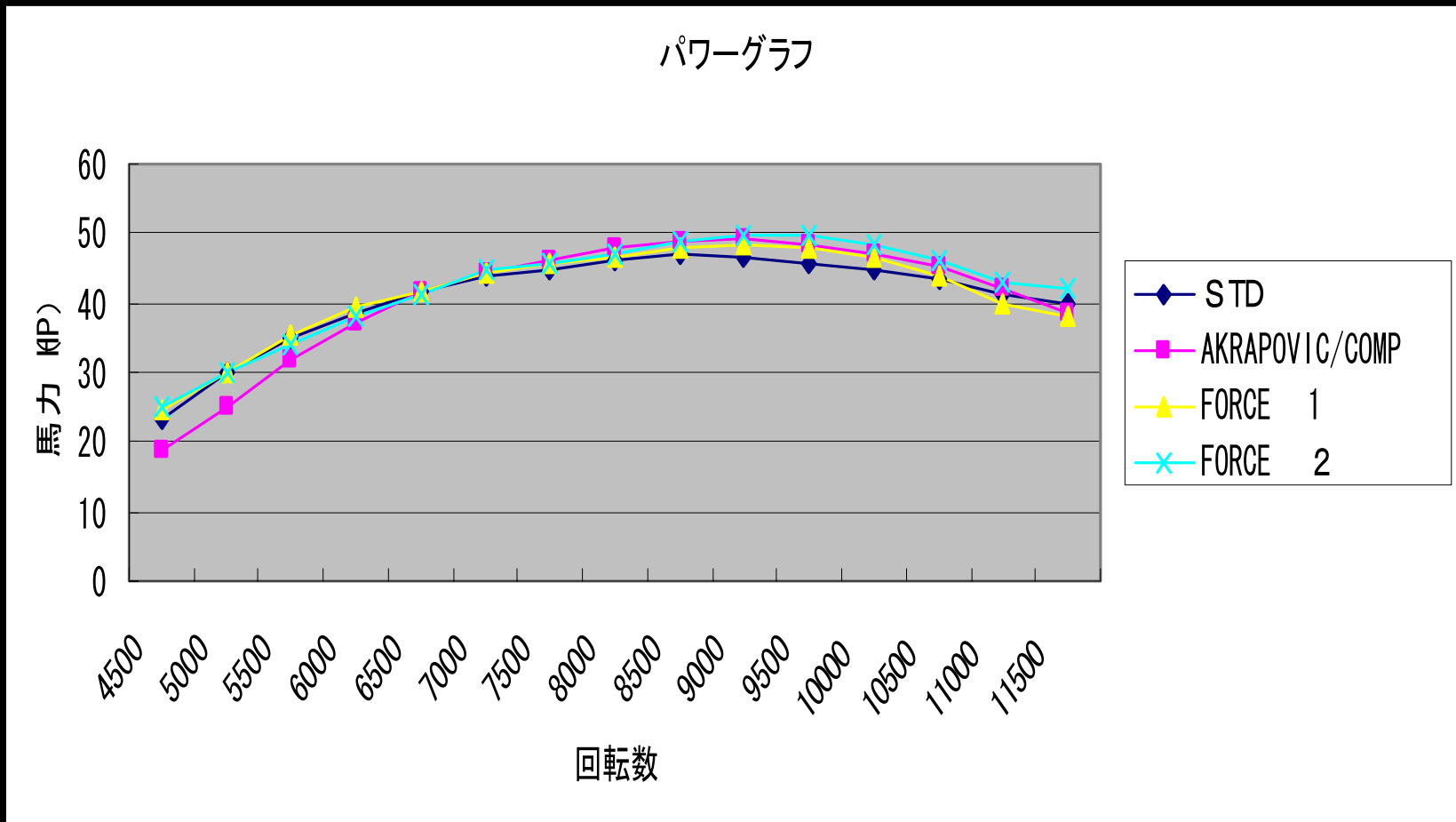
- With both conical head and conical tail pipe, offers improvement at the 4000 rpm power dent with the stock set up and gives gains right through the rev range.





YAMAHA YZ 450F

» Power Comparison (AKRAPOVIC)

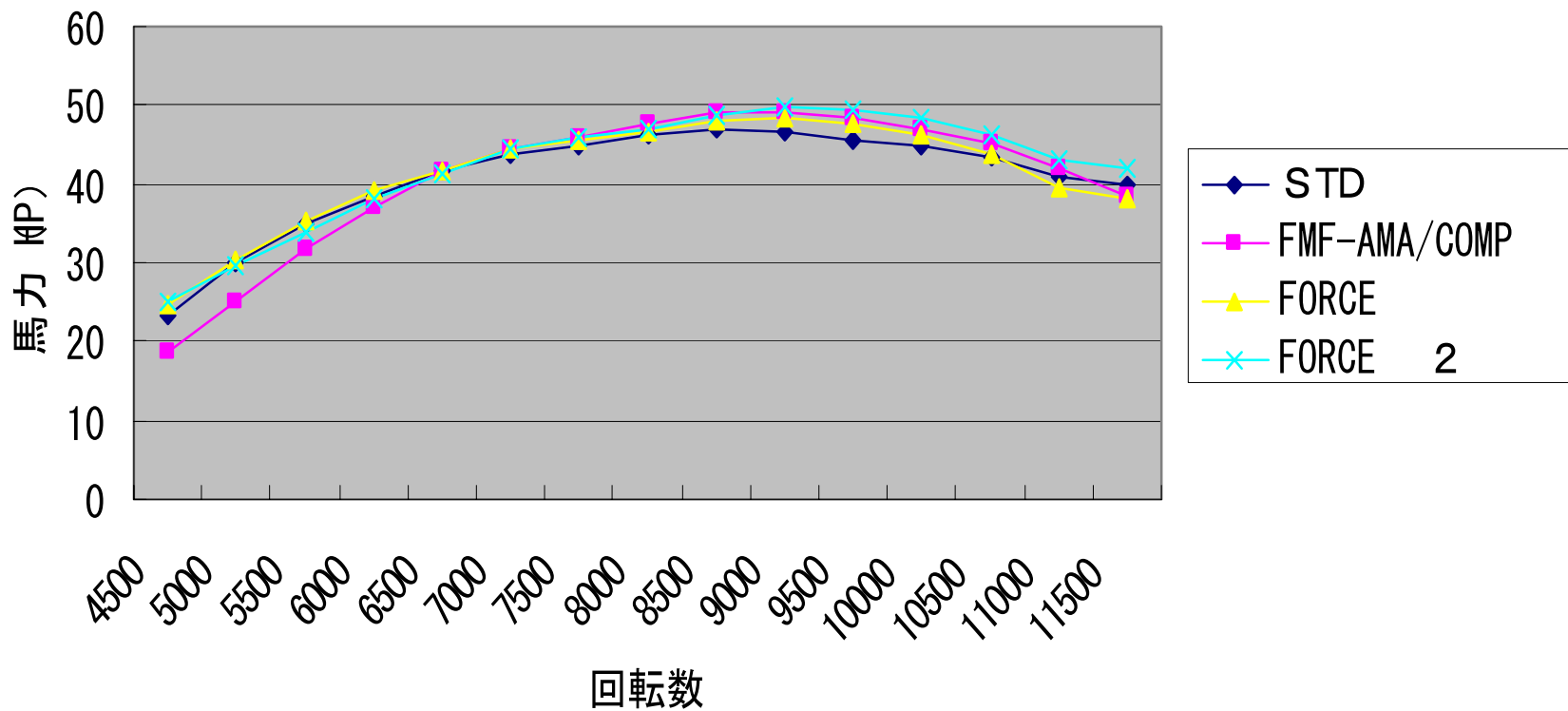




YAMAHA YZ450F

- Power Comparison (FMF-AMA)

パワーグラフ

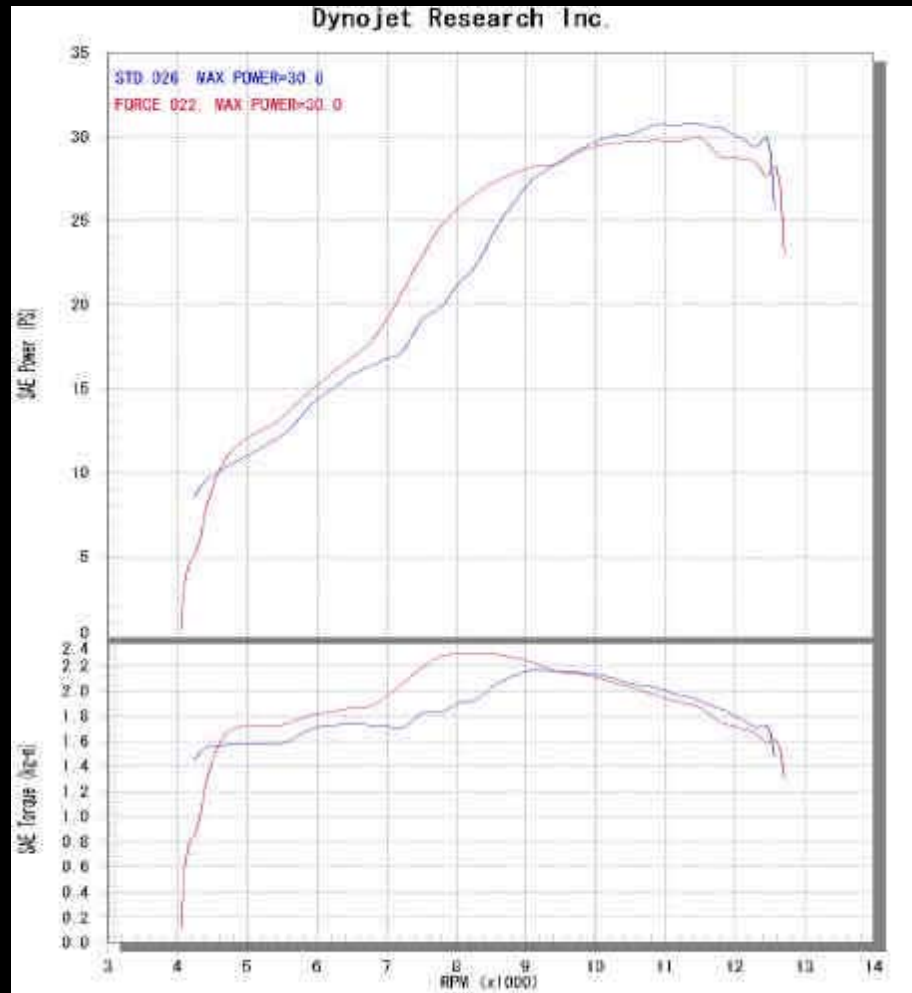


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YAMAHA 03-WR250 F



- Head Pipe: Titan $\Phi 42.7$
- Tail Pipe: Titan $\Phi 45$
- Silencer: $\Phi 100 \times 380\text{mm}$
- Weight: 2.30kg
- Sound Volume: 98db/A
- Option Spark Arrester available



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HONDA XR50



- All Titanium exhaust. Lightweight
- Silencer end cover. The same design as the full size one