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SINUSJET LEF 100

Prisma Engineering is proud to present the new generation of large engine vibration testbeds: the SinusJet LEF product family, which enables systematic torsional and bending fatigue testing at high frequencies for crankshaft.

With the help of the SinusJet LEF testbeds it is finally possible to conduct basic and optimization studies on large crankshaft in the shortest time possible. Through agile testing your company can save tremendous resources with the comparison of calculated and measured data, which also speeds up your supplier qualification process in parallel.

Since no special foundations are necessary, the installation and the maintenance of the testbed is extremely quick and easy. Combined with the low energy requirements and the speed of the sample changes, SinusJet LEF can help you achieve market lead by helping to accelerate your product evaluation.

KEY POINTS

- ▶ **For crankshafts with a main bearing diameter up to 190 mm**
- ▶ **High vibration frequencies up to 100 Hz**
- ▶ **Torsional moment up to ± 100 kNm**
- ▶ **Bending moment up to ± 50 kNm**
- ▶ **Compact & light testbed design (< 1.5 t)**
- ▶ **Extremely low power requirement (approx. 2 kW)**
- ▶ **Vibration-free, low noise level**
- ▶ **No need for foundation**

TECHNICAL SPECIFICATIONS

Compact design
(L-W-H: 1 200 x 1 500 x
x 1 400 mm)

Total mass: < 1.5 t
(incl. test sample)

Required power: < 2 kW
Connections: 3 x 400 V
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