

Application

Customer Specific Compression Device with 8 Parallel Actuators and Control System for Precise Compression Forces

Designed for the Assembly of Sensors in Aluminium Ledges

Features:

- 8 actuators with 30 kN test force each for a homogeneous compression force over the length of 2000 mm.
- Compression test force up to 120 kN/m, total 240 kN.
- The force application ledger between the pistons and sensors is frictionless and on ball bearings.
- The force measuring accuracy of the actuators is between 60 kN and 240 kN better than $\pm 1\%$.
- With digital controller **DIGICON 2000** for precise travel, force and speed control in closed loop mode with programmable automatic procedure: pre-load, constant force application, load discharge and retreat of compression ledger back to the initial position.
- Testing software **PROTEUS** for programming of procedure, data acquisition and logging of all test data.
- Rigid frame with steel plate and complete hydraulic power pack with servovalve and electrical control.

Customer: Kistler Instrumente AG, CH – Winterthur



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