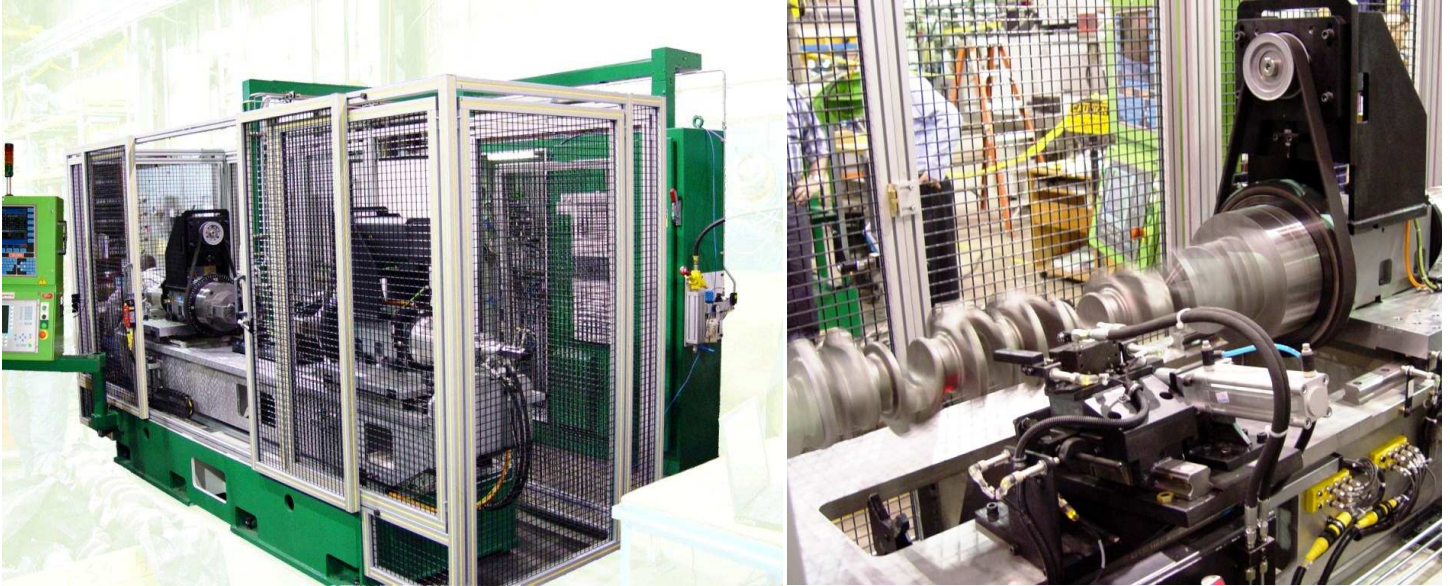


MP Balance Engineering MicroPoise

A Micro**Po**ise Measurement Systems, LLC Company

Mass-Centering Crankshaft Balancer

The Balance Engineering mass-centering crankshaft balancing machine is designed to balance crankshafts up to 1400 mm in length with a maximum weight of 150 kg. Loading of crankshafts is accomplished with the use of an overhead gantry system. Typical production volume is 65 parts per hour.



Leadership in Balancing

Your Key Process Advantages

- Lowest cost of ownership through the system life cycle
- Fast machine cycle time
- Utilizes MQL drilling process for ease of machining
- The industry's best process capability and repeatability

Your Key Technical Advantages

- Design provides for ease of use and maintenance
- Ease of future retool/rework
- Modular design allows for simple installation and integration with other systems

Critical crankshaft balancing solutions from Micro**Po**ise-Balance Engineering. A global leader in supplying Test and Measurement systems to various industries including Automotive, Heavy Equipment, Agriculture, Transportation, Power Generation and Aerospace.

Leadership in Balancing

Technical Specifications

Dimensions: 4100 mm x 1400mm x 2100mm

Weight: 3500 kg (All Components)

Load Height: 960 mm

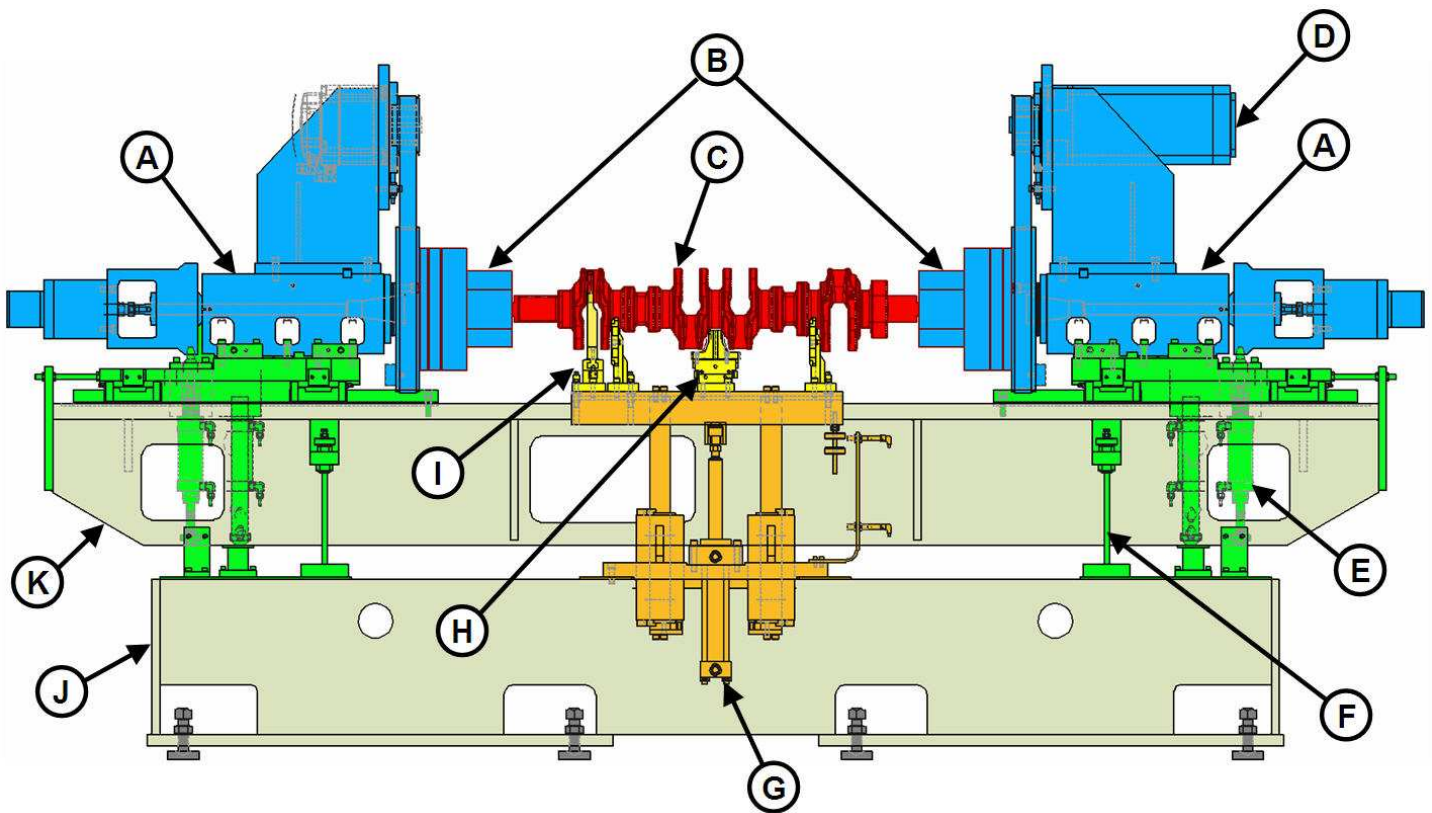
Loading Options: Manual / Automatic (Gantry)

Crankshaft Length: 300 mm to 1400 mm

Data Transmission: Bus / RS-232

Clamp: Self-Equalizing

Power Requirements: Customer Specified



(A) - Precision Balancing Spindle

(B) - Part Chuck

(C) - Part (Crankshaft)

(D) - Servo Drive Motor

(E) - Shot Pin Load Positioning Assembly

(F) - Suspension Reeds

(G) - Elevator Assembly

(H) - Axial part Locator

(I) - Radial Part Locator

(J) - Welded Base

(K) - Suspension Cradle