

MP Balance Engineering MicroPoise

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

Multi-Station Crankshaft Balancer

The Balance Engineering multi-station crankshaft balancing machine is designed to balance crankshafts up to 800 mm in length with a maximum weight of 65 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: 8000 mm x 4700mm x 2300mm

Weight: 10,000 kg (All Stations)

Load Height: 960 mm

Loading Options: Automatic (Gantry)

Cycle Time: 55 Seconds (Typical)

Maximum Crankshaft Weight: 65 kg (Typical)

Crankshaft Length: 300 mm to 800 mm

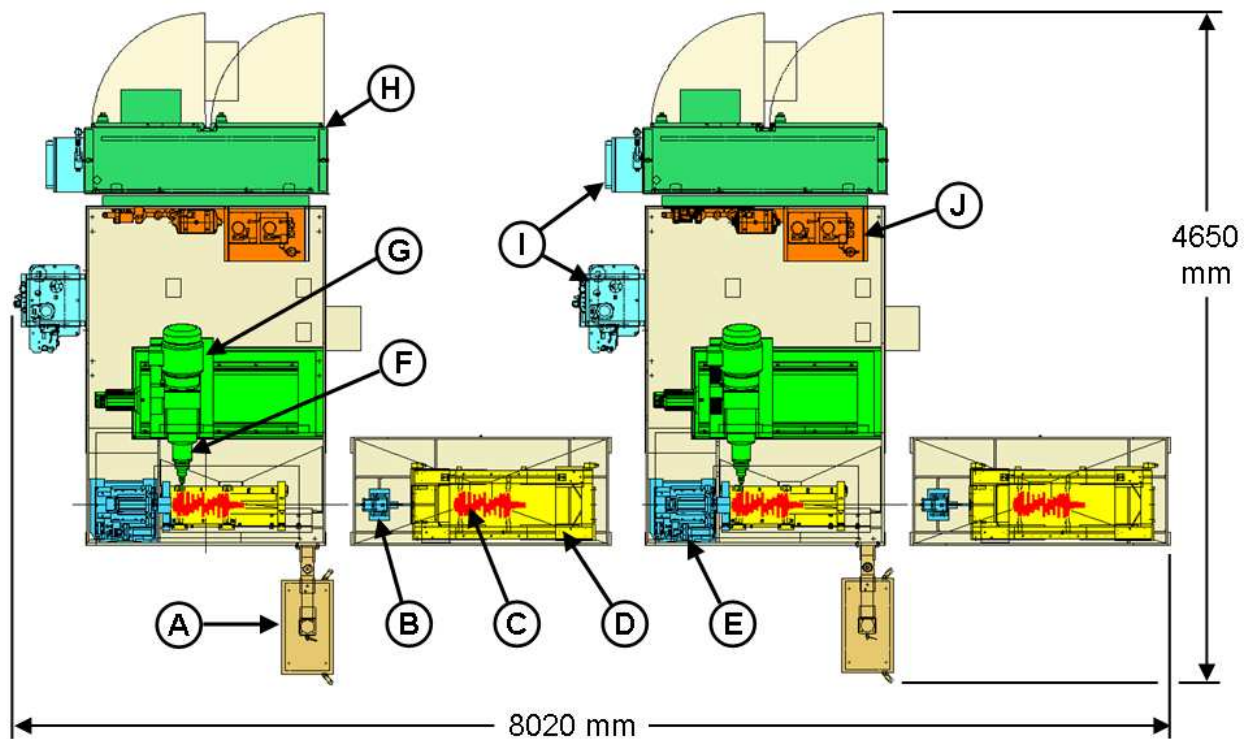
Drill Cross Slide Range: 800 mm

Drill Lubricant System: MQL

Power Requirements: Customer Specified

Electrical Standards: UL / IEC / JIC / UL / CE

Balance Instrument: CBI-2000



(A) - HMI / Balance Instrument

(B) - Drive Tooling Actuator

(C) - Part (Crankshaft)

(D) - Cradle / Suspension Assembly

(E) - Servo Part Positioner

(F) - Precision Heavy-Duty Box Spindle

(G) - Servo Drill System with Cross Slide

(H) - Main Electrical Panel (2-Door)

(I) - Minimum Quantity Lubricant (MQL) System

(J) - Automatic Lubrication System