

# SHAFT EXPERT 300

Propshaft / Driveshaft / Cardan shaft Balancing Machine



## Specifications

<b>Balancing Speed Range</b>	500 – 5000 rpm Variable
<b>Max Length Flange to Flange</b>	3500 mm / 138 in
<b>Total Bed Length</b>	4400 mm / 173 in (Extendable)
<b>Max Shaft Weight</b>	250 kg / 550 lbs
<b>Motor Power</b>	7.5 kW / 10 Hp
<b>No of pedestals</b>	3 Standard , 4 <sup>th</sup> optional

## Features

Easy to operate
Ideal for Mid-sized shops rebuilding car and truck shafts
SigPro400 Precision Computerized Measuring Unit
Rear Spindle Movable for Easy loading / Unloading
Dot Matrix A4/Letter Sized Print Reports
Heavy Duty Cast Iron Machine Beds



ISO1940 Balancing Tolerance	Description
0.4	Spindles, disks and armatures of precision grinders, gyroscopes.
1	Tape recorder and gramophone drives, grinding machine drives, small electrical armatures with special requirements.
2.5	Gas and steam turbine including marine main turbines (merchant service), rigid turbo-generator rotors, turbo-compressor, machine-tool drives, medium and large electrical armatures with special requirements.
6.3	Parts of process plant machinery, marine main turbine gears (merchant service), centrifuge drums, fans, assembled aircraft gas turbine rotors, flywheels, pumps, impellers, machine tool and general machinery with normal electrical armatures, individual components of engines, under special requirements.
16	Drive shafts (propeller shafts, cardan shafts) with special requirements, parts of crushing machinery, parts of agriculture machinery, individual components of engines (gasoline or diesel) for cars, trucks and locomotives, crankshaft-drives of engines with six or more cylinders under special requirements.
40	Car wheels, wheel rims, wheel sets, drive shafts, crankshaft drives of elastically mounted fast four-cycle engines (gasoline or diesel) with six or more cylinders, crankshaft-drives for engines of cars, trucks and locomotives.
100	Crankshaft-drives of fast diesel engines with six or more cylinders. Complete engines (gasoline or diesel) for cars, trucks and locomotives.
250	Crankshaft-drives of rigidly mounted fast four cylinder diesel engines.
630	Crankshaft-drives of rigidly mounted fast four cycle engines, crankshaft drives of elastically mounted marine diesel engines.

Correction Radius Left: 2 in, Max Operational Speed: 4000  
 Correction Radius Right: 2 in, Rotor Weight: 40 lbs



Motor Data Entry

Calibration - Rotor

Speed 00000

Left Channel Amplitude, Right Channel Amplitude

ISO 1940 Tolerance Calculator

No of Planes, Plane Separation, Tooling Compensation (TC), Balancing Speed (rpm)

