Distec

Distec – Economic balancing of disc shaped rotors

Modern, ergonomic concept – high economic viability

RF1060-1e

Distec
The economic all rounder

Vertical balancing machines represent classic balancing technology, and have proven highly successful across the disc shaped rotor spectrum in series production: pulleys or brake disks, fans, clutches, flywheels and many other similar rotor types can be processed more economically in this way than using any other balancing machine.

The Distec now goes one step further and combines the principle advantage of vertical balancing machines with an extremely good price/performance ratio, in order to make balancing more economically effective. It may therefore prove expedient, even with smaller series, to automate the balancing process. The advantage: consistent quality, as manual sources of error are removed, and high availability thanks to simple operation. This machine is designed for both manual and automatic loading.

Here today, there tomorrow - the machine can be moved easily and cope with your modified requirements even in new site locations.

CAB 870 – Top performance for your production
The CAB 870 measuring unit is positioned at an ideal working height and permits simple and direct input of all data via a touch screen. With its logical operating concept, with clear and well organized displays using symbols aligned to touch screen operation and comprehensive operating aids, the Distec is easy to control. It provides algorithms for complex unbalance compensation, different types of unbalance presentation, storing and documentation as well as the evaluation of statistical characteristic data. The CAB 870 has interfaces for the integration of statistical production control systems.

People are as important as technology

The short spindle spacing, the optimum loading height and perfect layout of all operating elements provides optimum convenience.

People were the main focus when designing the new balancing machine; small but irritating aspects were removed. All the operating elements and the measuring unit are mounted onto the easily accessible main operating base of the machine. The extremely short spindle spacing makes it easy to load the rotor. The ideal working height and a fully automatic safety door, which guards the working area but does not constrict it, result in a rounded, thoroughly ergonomic concept - with everything in its rightful place.

Plug & play

As a “crane hook” machine, the Distec is easy to install and simple to put into operation – wherever you go, the Distec comes too. It forms a compact unit and can be put into operation with very little effort. Set it up, connect it to power and compressed air supplies and then the machine is ready for operation.

One machine – two applications

Both applications are possible; unbalance correction through horizontal or vertical drilling.

Drill setup fixture for fast, effective drill changing

Your safety comes first
The Distec fulfills the requirements laid down in the latest Machinery Directive 2006/42/EC, valid since the beginning of 2010, in every respect and is CE certified. The protection fulfills the standards set by the DIN ISO 21940-23.

Energy efficient concept
On the Distec, modern, economic drives are used and the design is consistently light weight – without inefficient hydraulics and cooling devices. The energy optimised drilling unit lowers your costs and improves your return on investment.

Efficiency is also a question of space: With an area of less than 4 m^2, it needs significantly less space than comparable solutions. For you this means: The Distec can be integrated into every production system and also saves valuable production space.

Technical data

Rotor dimensions	– Maximum rotor weight[1)]: 30 kg – Rotor diameter max.: 500 mm – Rotor height max.: 150 mm
Machine data	– Width, depth, height: 1200 mm, 2700 mm, 1800 mm – Total weight: 2100 kg – Mains connection: 400 V / 3 Ph / 50/60 Hz – Balancing speed fully adjustable from 600 – 1000 rpm – Measurement uncertainty[2)]: 4 gmm – 2-coloured painting RAL7035 (light grey), RAL 7024 (graphite grey)
Measuring unit	– CAB 870 with touch screen operation
Accessories	– Interface for auto load/unload – Vacuum unit – Extension rotor weight max. [1)] : 70 kg – Double drilling spindle – Measurement static / dynamic

1) rotor plus adapter
2) scattering part of the measurement uncertainty

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