



 **SCHENCK**

***NEW***

 **Distec**

**Distec – Economic balancing of disc shaped rotors**  
Modern, ergonomic concept – high economic viability

RF1060e

# 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.*



## 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.





### **CAB 759 – Top performance for your production**

The CAB 759 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 organised 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 759 has interfaces for the integration of statistical production control systems.



One machine –  
two applications  
Both applications  
are possible; unbalance  
correction through hori-  
zontal or vertical drilling.



#### **Your safety comes first**

The Distec fulfils 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 fulfils the standards set by the ISO 7475.

#### **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<sup>2</sup>, 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.

*Drill setup fixture for fast,  
effective drill changing*



## Technical data

<b>Rotor dimensions</b>	<ul style="list-style-type: none"><li>– Maximum rotor weight<sup>1)</sup>: 30 kg</li><li>– Rotor diameter max.: 500 mm</li><li>– Rotor height max.: 150 mm</li></ul>
<b>Machine data</b>	<ul style="list-style-type: none"><li>– Width, depth, height: 1200 mm, 2700 mm, 1800 mm</li><li>– Total weight: 2100 kg</li><li>– Mains connection: 400 V / 3 Ph / 50/60 Hz</li><li>– Balancing speed fully adjustable from 600 – 1000 rpm</li><li>– Measurement uncertainty<sup>2)</sup>: 4 gmm</li><li>– 2-coloured painting RAL7035 (light grey), RAL 7024 (graphite grey)</li></ul>
<b>Measuring unit</b>	<ul style="list-style-type: none"><li>– CAB 759 with touch screen operation</li></ul>
<b>Accessories</b>	<ul style="list-style-type: none"><li>– Interface for auto load/unload</li><li>– Vacuum unit</li></ul>

1) Rotor plus adapter

2) Acc. to DIN 1319, 95 % probability, work-piece dependent



Balancing and  
Diagnostic Systems

SCHENCK RoTec GmbH  
Landwehrstraße 55  
64293 Darmstadt, Germany

www.schenck-rotec.com  
E-Mail: rotec@schenck.net  
Tel.: +49 (0) 6151 - 32 23 11  
Fax: +49 (0) 6151 - 32 23 15

The  Group