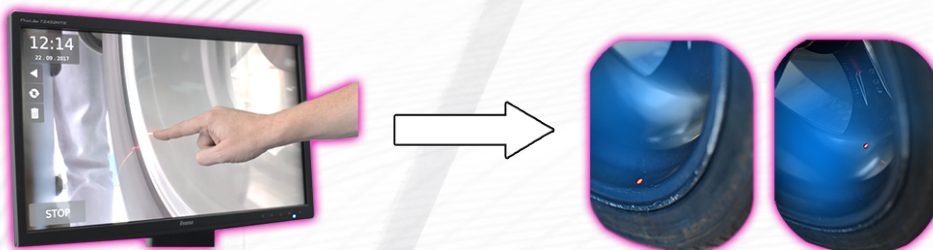


MONOLITH S**Dane techniczne**

Felgendurchmesser:	10" - 30"
Felgenbreite	2" - 15"
Radgewicht	80 kg
Auswuchtgenauigkeit	1 g
Genauigkeit der Radteilung	0.45°
Messdrehzahl:	140 obr/min
Leistung des Antriebsmotors	80 W
Spannungsversorgung	230V / 50 Hz
Pneumatische Versorgung	8 - 10 bar
Maße	980/1250/1490
Gewicht	120 kg

Die Maschine ist ausgestattet mit einem revolutionären System zur automatischen Eingabe der Radparameter basierend auf realem Kamerabild. Der Laserpointer definiert den Korrekturpunkt genauer und zeigt die präzise Position für das Auftragen der Klebegewichte an.



United States of America

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US 10,281,355 B2

(12) United States Patent
Roguski et al.

(54) **METHOD AND SYSTEM FOR THE OPTICAL DETERMINATION OF CORRECTION PLANES IN ROTATING ELEMENTS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 279 days.

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(22) Filed: **Aug 22, 2016**

(23) Prior Publication Data
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(51) Int. Cl. (2006.01)
G01B 11/16 (2006.01)

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G01B 11/16 (2006.01)

(53) CPC (2013.01)
G01B 11/16 (2013.01)

(54) Field of Classification Search
G01B (2013.01); G01N 7/181 (2013.01)

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(10) Patent No.: **US 10,281,355 B2**
(45) Date of Patent: **May 7, 2019**

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Primary Examiner – Walter L Lindsay, Jr.
Assistant Examiner – Philipmarcus T Fiskal
(74) Attorney, Agent, or Firm – Barnes & Thornburg LLP

(57) **ABSTRACT**
The subject matter of the present invention relates to a system for the optical determination of correction planes in rotating elements, used in the process of balancing, in particular in diagnostic devices equipped with a system which has at least one video camera (K), at least one line projector (LL), a monitor screen (M) and a computer (P) which controls individual component elements of the system, wherein the video camera (K) cooperates with the line projector (LL) while projecting a view of the rotating element (EW) on the monitor screen (M) together with an image of a line (L) projected by means of the line projector (LL).
The subject matter of the present invention also relates to a method for determining correction planes which consists in defining an area of measurement space (EWS) on the basis of a rotating element (EW) by placing a rotating element (EW) on a diagnostic device (PM) which has a line projector (LL) and a measuring projector (MP), and subsequently projecting the rotating element (EW) on a monitor screen (M) by means of the video camera (K) together with an image of the projected line (L), wherein the radius of the line (L) is a change in the diameter of the rotating element (EW) from the diagnostic device (PM) in the defined area of measurement space.

6 Claims, 6 Drawing Sheets

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Standard Ausrüstung:

- automatische Radschutzöffnen/-schlissen
- pneumatische Schnellradspannung
- pneumatische Bremse in Unwuchtposition
- Kalibration
- Sprachsynthesizer
- Lasserarm
- ALU Programme
- automatische Positionierung
- berührungslose Radparameter Messsystem
- Optimierung
- USG Sensor für Felgenbreitemessung
- Programm 3P - Hinter-Speichen-Platzierung
- Touchscreen Monitor LED
- Ausgabe in Datei
- Benutzers Memory
- automatische Messung von Durchmesser, Breite, Abstand
- Unwuchtneuberechnung
- standard HAWEKAs adapter **Ø40**, manuelle Radschutz.

Dostępne kolory



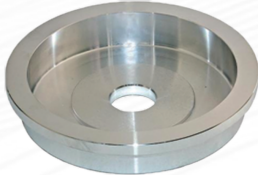

Kolory podstawowe



Kolory na zamówienie

Wyposażenie dodatkowe

Indeks	Opis	Zdjęcie
150400049	Stożek 95-132 mm Ø40	
06.04.017.40	Stożek 110-125 mm Ø40	
04.04.008.40	Stożek 125-145 mm Ø40	
150400043	Stożek 122-174 mm Ø40	

Indeks	Opis	Zdjęcie
190400018	Pierścień dystansowy do stożków dostawczych Ø40	
T-CĘG-001	Cęgi wulkanizatorskie	
WT-2065-1	Skrobak do ciężarków klejonych	