



Balance Systems

VM25

MODULAR SYSTEM FOR GRINDING CYCLE CONTROL

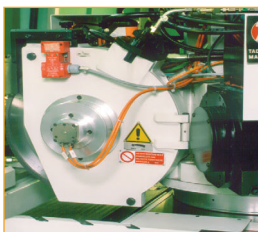
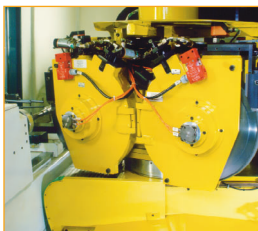
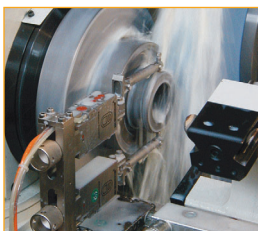
Balance Systems is the inventor of the patented “moment free” high performance automatic grinding wheel balancer. Balance Systems also produces the in-process roundness check with immediate feedback to the grinding machine. The modular VM25 package offers an optimized solution to virtually all your balancing, touch control, and in-process gauging needs.

The VM25 is easily installed to help you achieve unsurpassed product quality, productivity, ease of use, and flexibility. It can be installed on your new or already operating grinding machines.

Balance Systems is present worldwide with direct offices and representatives to ensure maximum satisfaction for every customer.

Features

- A single electronic modular unit for:
 - automatic and manual wheel balancing;
 - acoustic emission and power sensing for crash monitoring, gap and dressing control;
 - in-process gauging.
- Menu programmable.
- PLC/CNC communication.
- Several Human Machine Interfaces:
 - local / remote graphic Panel;
 - windows SW Package;
 - graphic Active-X library for OEM's HMI integration;
 - graphic relocatable library for OEM's HMI embedded systems.
- Diagnostics.
- Teleservice and 24 hours spare service.



Benefits

- Easy set up and training.
- User friendly.
- Complete.
- Expandable over time.
- Price / performance competitive.
- Reduced maintenance cost and machine downtime.



福田交易株式會社

“MOMENT FREE” BALANCERS

Integrated AE sensor

No-link collector

Mass neutral position



Flange lock
remote collector



Expansion lock
remote collector



Flange lock
front collector



Flange lock
front collector

Spindle internal mounting

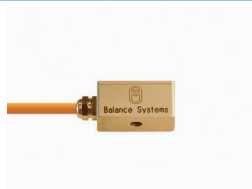
Mounting Ø (mm)	Bore lenght (mm)		Compensation gcm	RPM
	Flange	Expansion		
38	109	130	260	20000
42	109	130	480	15000
50	109	130	780	10000
55	109	130	1050	8500
60	109	130	1800	7800
70	109	130	2800	6100
up to 110	8700

Customized solutions with different dimensions are available on request

Spindle external mounting

Mounting Ø (mm)	Compensation gcm	RPM
95	220	9000
95	400	9000
95	800	7000
95	1350	6000
95	1700	5000
114	3300	4500
114	4300	4000
114	6500	3000
130	12000	2500

ACOUSTIC EMISSION SENSORS POWER SENSOR



AE Stationary



AE Spindle
external mounting



AE Spindle
internal mounting



Hydrophone



Power

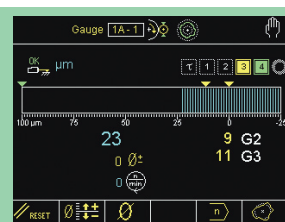
IN-PROCESS GAUGES

Diameters

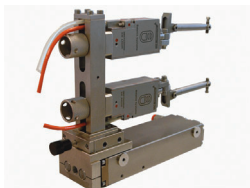
Positions

Taper

Roundness



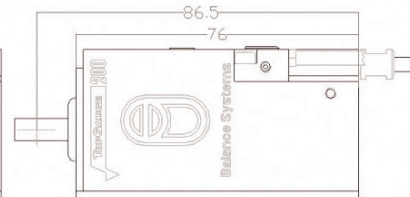
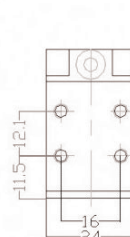
Top Gauge 200
Gauging head



Supports & Slides



TG200 AF
Anti Crash Finger



TG200 Layout

Specifications are subject to changes without notice © 2009 by Balance Systems - Printed in Italy Cod. VM250709E

福田交易株式会社

www.fukudaco.co.jp

本社 〒104-0044
大阪営業所 〒540-0012
名古屋営業所 〒460-0013
広島営業所 〒733-0842
厚木営業所 〒243-0417
北陸営業所 〒921-8005
九州営業所 〒812-0038

東京都中央区明石町 11-2
大阪市中央区谷町 4-3-1
名古屋市中区上津 2-14-7
広島市西区井口 5-20-7
海老名市本郷 1672
金沢市間明町 1-198
福岡市博多区祇園町 4-13

TEL.03-5565-6811
TEL.06-6941-8421
TEL.052-322-6421
TEL.082-277-6341
TEL.046-237-3133
TEL.076-292-2811
TEL.092-263-5300

FAX.03-5565-6816
FAX.06-6944-0241
FAX.052-322-2384
FAX.082-277-8199
FAX.046-237-3137
FAX.076-292-2510
FAX.092-263-5301