

Tire Balancing Machine Type ARS

Purpose and Application

The automatic dynamic two plane balancing machine from Hofmann is designed for measuring the dynamic and static imbalance of inflated passenger car, light truck and SUV tires.

Operating Mode

The ARS features split high-precision rims and an automatic 5 inch rim width adjustment. This rim width adjustment works automatically (test map-dependent) to ensure a high production volume.

Hofmann balancing machine ARS is designed for fully automatic operation. Options like soaping, feeding, marking and sorting systems are available.

Optionally the Hofmann balancing machine ARS can be extended with our Hofmann sheet-of light laser geometry measuring system GEO-SLS.



The Hofmann Balancing Machine can easily be equipped with the Hofmann TU-TB interface and grading software and can be connected with a Hofmann Tire Uniformity Machine to an Automatic Tire Grading Line.

Tire Balancing Machine Type ARS

Machine type		ARS-25R2	ARS-LT
tyre outer diameter	mm	540-900	700-1150
nominal tyre diameter range	inch	13 - 24	17,5 - 24
tyre width	mm	160 - 400	160 - 500
rim width adjustment	inch	5 (in 0,5 inch adjustment steps)	5 (in 0,5 inch adjustment steps)
rim width adjustment	inch	2,5 - 15 (with different rims)	2,5 - 15 (with different rims)
tyre weight	kg	6 - 40	20 - 85
tyre setting pressure	bar	5	6
tyre inflation pressure	bar	1,5 - 4	4 - 6
balancing speed	rpm	400 - 600	ca. 400 - 600
cycle time depending on the tyre size	s	21,5 ± 10 %	45 ± 10 %
power supply	V/Hz	400 / 50(60)	400 / 50
connecting power	kVA	ca. 35	ca. 42
machine design		according to CE regulations and GOST-R guidelines	according to CE regulations and GOST-R guidelines

Hofmann Product Line for Production, Quality Control, Research and Development

Please contact us for further information:

HOFMANN
Hofmann Maschinen- und Anlagenbau GmbH

Altrheinstraße 11

67550 Worms

Germany

Tel.: +49 6242 904-0

Fax: +49 6242 904-286

E-Mail: tiretesting@hofmannmaschinen.com

www.hofmannmaschinen.com

