

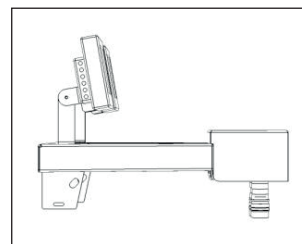
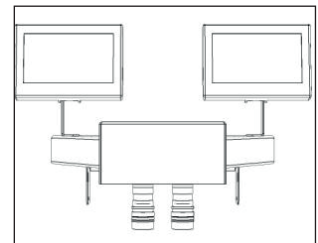
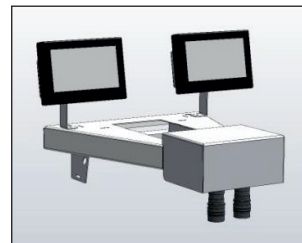
newhorizon

Alignment Module



The Alignment Module provides the required accuracy in product alignment. The Module is available with a single and dual look-down camera configuration. It includes the CCD camera with a special lens, special illumination, TFT screen, power supplies, mounting components and plug & play system integration

The optical system magnifies and displays the tracks on the TFT screen. This assists the operator in fine pitch alignment. Operator speed and operator accuracy will increase.



TECHNICAL SPECIFICATIONS

Field of view	7 mm (left-right)
Distance between bond position and lens	140 mm
Dual look-down camera configuration	
Field of view	7 mm (left-right)
Distance between bond position and lens	140 mm
Distance between camera's (centre-centre)	50 – 115 mm (min-max)

TECHNICAL NOTE [EXAMPLE]:

The camera field of view provides a product image of 7 mm (left-right) in a 7" diagonal TFT screen. Using a product at 200 micron pitch results in a visible image of +/- 22 traces on the 7.1" TFT screen. This is measured at a 40 mm product tooling / bond level height. Allowable product tooling height / bond level: 35-40 mm. Different alignment configurations are available upon request.

Available on model	
MHBR-2100 base	No movement
MHBR-2200 linear slide (manual 2-position front-rear slide)	Stroke between front and bonding position: 200 mm fixed
MHBR-2300 rotary table (manual 2-position)	Turntable diameter: 380 mm
MHBR-2400 automatic rotary table (pneumatic 2-position)	Turntable diameter: 380 mm / turntable movement time: < 2 seconds



Lindberghstrasse 1 • DE-82178 Puchheim, Germany
T: +49 (0) 89 83 94 030 • Fax: +49 (0) 89 839403 68
info@amadamiyachi.eu • www.amadamiyachieurope.com
ISO 9001 Certified Company



EUROPE

Amada Miyachi Europe BV
Helmond, The Netherlands
T: +31 (0) 492 542 225
info@amadamiyachi.eu

Amada Miyachi Europe Kft.
Budapest, Hungary
T: +36 1 431 9927
infohu@amadamiyachi.eu

Amada Miyachi Europe
Derby, United Kingdom
T: +44 (0) 1332 361 238
info@amadamiyachi.eu

Amada Miyachi Europe
Saint Germain en Laye, France
T: +33 (0) 139 046 430
infofr@amadamiyachi.eu

Amada Miyachi Europe
Torino, Italy
T: +39 011 223 83 16
infoit@amadamiyachi.eu

Amada Miyachi Europe
Prague-West, Czech Republic
T: +420 251 512 157
info@amadamiyachi.eu

AMERICAS

Amada Miyachi America Inc.
Monrovia, CA, USA
T: +1-626-303-5676
info@amadamiyachi.com

Amada Miyachi do Brasil Ltda.
Sao Paulo, Brasil
T: +55-11-4193-1187
antonio.ruiz@miyachi.com

ASIA

Amada Miyachi Co., Ltd.
Noda, Japan
T: +81-4-7125-6177
sales@miyachi.com

Amada Miyachi Shanghai, Co., Ltd.
Shanghai, China
T: +86-21-6448-6000
zqzhang@msc.miyachi.com

Amada Miyachi Korea Co., Ltd.
Gyeonggi-do, Korea
T: +82-31-8015-6810
dykim@mkc.miyachi.com

Amada Miyachi Taiwan Co., Ltd.
Taipei, Taiwan R.O.C.
T: 886-2-2397-4778
keigaku@miyachi.com

Amada Miyachi (Thailand) Co., Ltd.
Samutprakarn, Thailand
T: +66-2751-9337-8
info@mtl.miyachi.com

Amada Miyachi Vietnam Co., Ltd.
Ho Chi Minh City, Vietnam
T: +84-8-3771-7972

Amada Miyachi India Pvt., Ltd.
Bangalore, Karnataka
info@miyachiindia.com

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