

CORiTEC Aligner series

TAILOR MADE SOLUTIONS
IN ONE SYSTEM

Automated identification
of job ID by reading through an integrated scanner

Marking of the aligners
with an integrated fibre laser

Up to 1.000 Aligners per day
for trimming and laser marking

Trimming of the Aligners
by a fast 5-axis processing

Different CAD-software solutions
are connected

Fully automated workflow
with an integrated CAM- and Job Management
Software Package



Robot-Automation

With an optional **pick-and-place solution**, the robot system will support the operator by **automatic loading and unloading the machine**.

Machine

Power supply	100 – 240 V
Compressed air supply	6,5 - 9 bar, 80 l/min
Machining	5-axis simultaneous
Speed milling spindle	60.000 rpm.
Software	Integrated job management
weight	250 kg

Integrated 1D/2D code scanner

Reading distance	40 – 250 mm
Scan rate	330 scans/s
Power supply	4.5 – 5.5 V DC
Interface	USB

Integrated laser

Laser power	20 W
Focal length	160 mm
Type field size	100 x 100 mm

Robot

Power supply	100 – 240 V
Number of joints	6-rotating joints
Rotation	+/- 360° in all joints
Payload	5 kg
Radius of action	850 mm
Repeatability	+/- 0.1 mm
Weight	18.4 kg

Total system

Dimensions (W x H x D)	2.339 x 2.370 x 2.216 mm 92 x 93,3 x 87,2 inch
------------------------	---