

P5TM

PRODUCTION EXCELLENCE



ROBOTICS

The next level of automation.



For more information,
please visit
durst-group.com/robotics

durst

ROBOTICS

The next level of automation for flexible and continuous production cycles with long run times.

1 Shift non-stop production

- > Unattended printing
- > Stacking capacity up to 1.8m high
- > Multiple media usability
- > Minimal downtimes

Fast media separation

- > Sensor for checking stack alignment
- > Efficient suction cups
- > Optimized separation of thin substrates



Efficient production

- > Savings in workforce and cost
- > Reducing failure rate
- > Safe movement of heavy weights



Media handling flexibility

- > Multitrack operation with up to 6 tracks
- > From thin sheets up to 10 kg heavy boards
- > From small boards up to 3.5 m wide boards

Boards alignment tables

- > Accurate pick-up alignment
- > Designed for multiple boards sizes

180° Reversible boards stacking

- > For backside printing or additional processes
- > For creasing and cutting processes

Low maintenance cost

- > 10 years warranty program

Modularity

- > Modular configuration for individual production needs due to a high level of standardization

Reducing bottlenecks

- > Inline integration with third-party systems
- > Reversing boards for other post-printing processes

Boards feeding and stacking accuracy

- > Precise feeding and stacking operation
- > Accuracy +/- 0.3 to 0.5 mm (0.012" to 0.02")

Easy programmable

- > Icons based software
- > User friendly
- > Up to 70 % time savings compared to other systems



VIRTUAL SHOWROOM

More details, live demos, print samples.
showroom.durst-group.com/robotics



TECHNICAL DATA

	FEEDER	STACKER
Model	Kuka KR50 R2500 Iontec	Kuka KR120 R2700-2 Quantec
Servo axes	6	6
Control system	Beckhoff	Beckhoff
GUI	Flex OP4 Icon	Flex OP4 Icon
Loading/unloading cycle/board size	~10 seconds/1,600 x 1,200 mm	~10 seconds/1,600 x 1,200 mm
Boards alignment	Mechanical alignment on registration table	Mechanical alignment on registration table
180 degree reversible boards stacking	–	yes
Footprint	approx. 5 x 7 m	approx. 6 x 7 m
Tracks	1 up to 6	1 up to 6
Alignment accuracy	± 0.3–0.5 mm	± 0.3–0.5 mm
Board weight	up to 10 kg	up to 10 kg
Board length	max. 1.8 m	max. 1.8 m
Stack alignment measurement	X, Y, Z	X, Y, Z
Power supply	400 V, 32 A, 3phase	400 V, 32 A, 3phase
Air supply	6 bar (oil free and dry)	6 bar (oil free and dry)
Air consumption	approx. 700 l/min	approx. 600 l/min