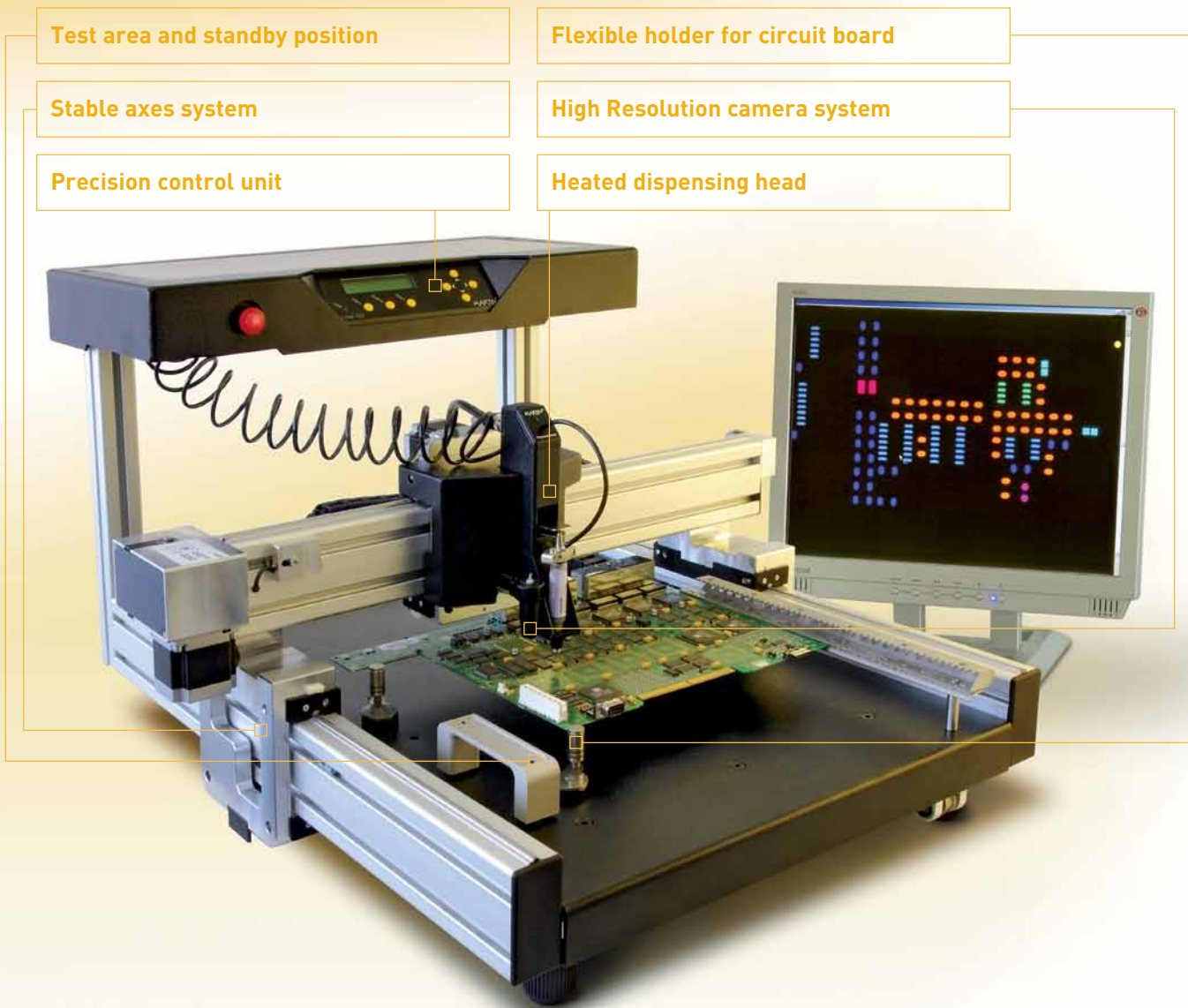


DOTLINER Family Automated Dispense

For Perfectionists

The new Dispensers guarantee perfect dispensing to the highest standards. You can rely on the solid construction and the established technology of this well-proven equipment that, especially for micro dispensing, represents unrivalled value for money.



Easy to Use

The new Dispensers make perfect dispensing simple: thanks to the Standby Position and automatic Test Points the units are useable immediately, even after days of inactivity. Just as easy is the changing of cartridges – no cleaning of valves or spindles.

Superior Technology

For 25 years MARTIN have been setting standards in Dispense Technology. Not least because of the continuous development of the Advanced Time Pressure Technology. The result is the most precise and economical range of MARTIN Solder Paste Dispensers ever.

For Small Batches: DOTLINER 06.6

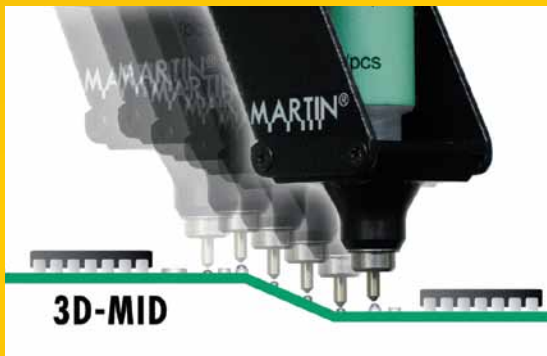
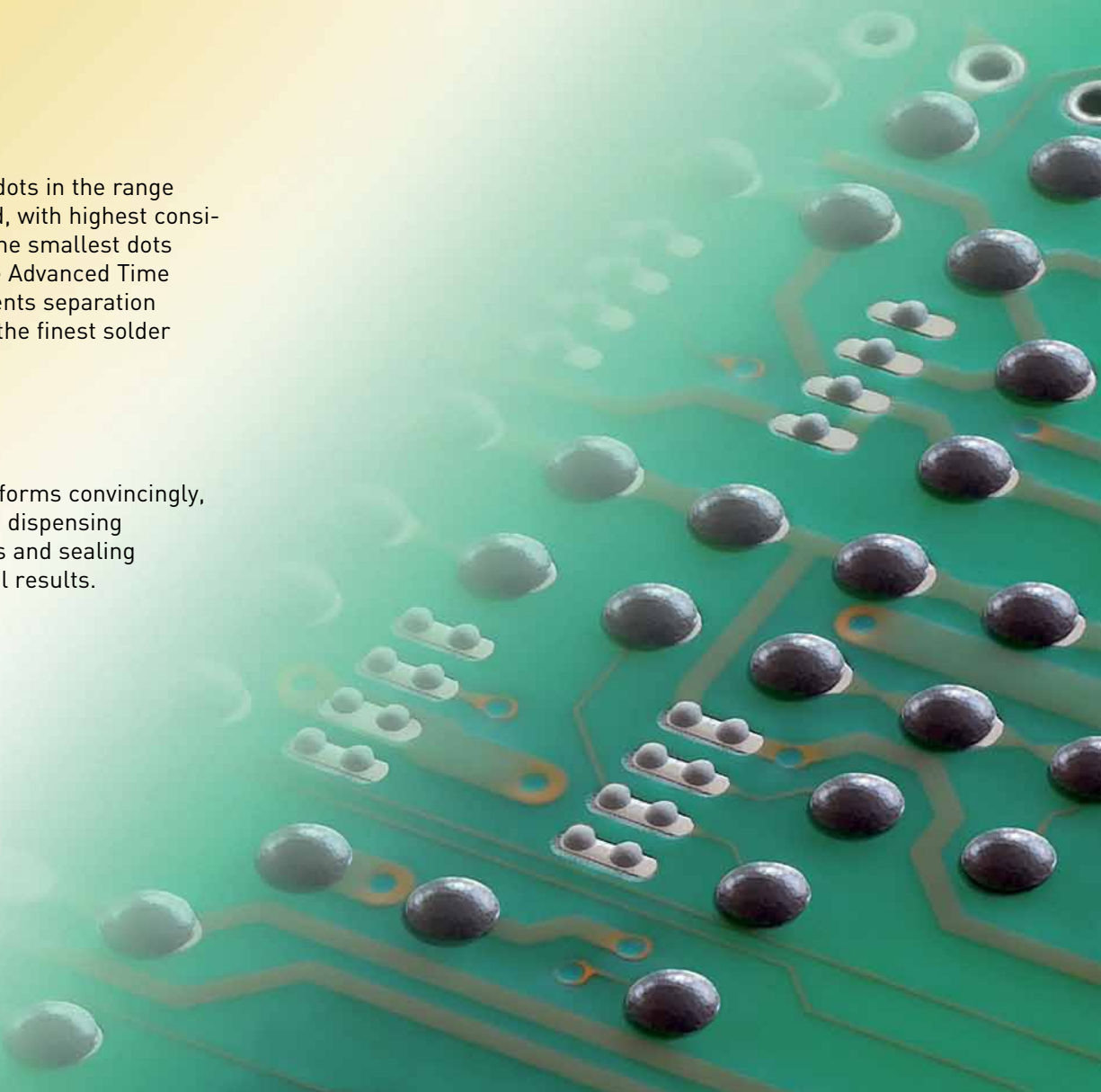
Simple or flexible? The new DOTLINER 06.6 combines both in one. Data conversion – and start. CamDesigner automatically calculates the correct position and dispensing volume for each pad, the operator friendly Easy-Dispense-software does the rest. Additional features are the effective nozzle cleaning concept and the Standby Function.

Spot On

Without nozzle change dots in the range of 1:30 can be deposited, with highest consistency ($\pm 3\%$) even for the smallest dots ($\varnothing 0.13 \text{ mm}$). The gentle Advanced Time Pressure Process prevents separation and is also suitable for the finest solder pastes (Type 6).

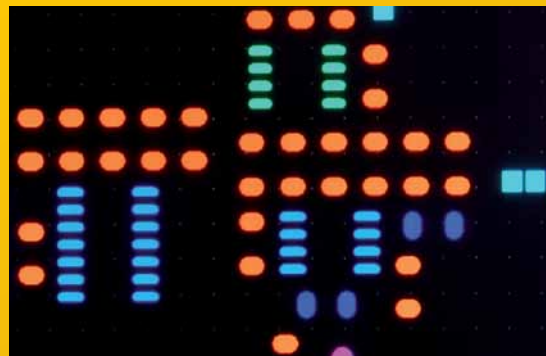
On The Line

The DOTLINER 06.6 performs convincingly, too, in underfill and line dispensing applications of glob tops and sealing compounds with optimal results.



Measure Dispense (optional extra)

The clever height sensor allows dispensing on varying height surfaces and even on slopes (eg 3D MIDs).



CamDesigner

All the information needed by the MARTIN Dot Liner 06.6 is automatically generated from the Gerber Data by the software.

For Small Substrates: DOTLINER 06.5

The new DOTLINER 05.6 is the compact perfectionist. In the smallest space all the advantages of the new DOTLINER 06.6 are combined and especially arranged for superior rework. The vast majority of SMDs can be processed and the new patented Prebumping Process guarantees secure solder connections including QFNs.

Easy

The Easy-Dispense Library contains everything to get started. More specific dispensing programs can be quickly established with the CamDesigner. Program teaching is a matter of a few minutes, thanks to the integrated camera systems.

Versatile

The DOTLINER 06.5 allows the processing of all types of components such as QFPs, BGAs, CSPs and QFNs.



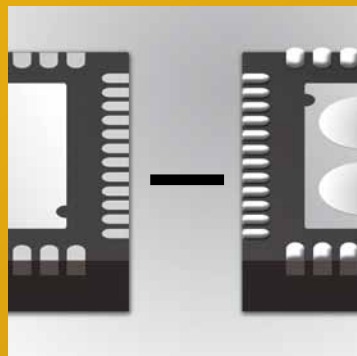
QFN-Prebumping - Step 1

The program is called up from the library to dispense solder paste onto the ceramic transfer plate..



QFN-Prebumping - Step 2

After placing the QFNs, perfect bumps are generated

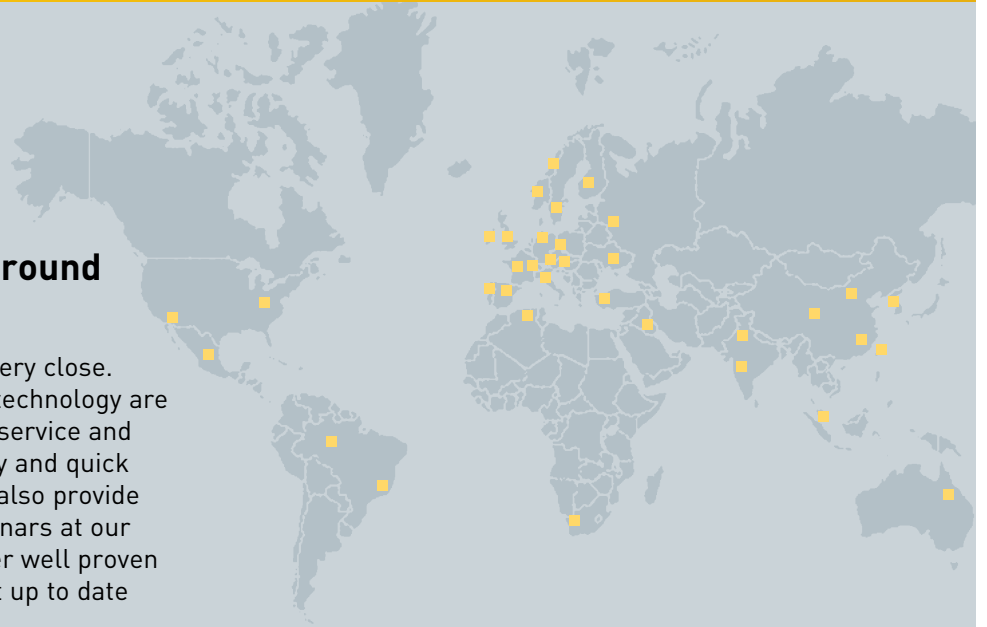


QFN-Prebumping - Result

The prebumped QFN is now ready for trouble free reworking (even with pitch 0.4 mm).

Service and support around the globe

Wherever you are, MARTIN is very close. The distinctive features of our technology are rightly also expected from our service and support: competence, reliability and quick reaction times. In addition, we also provide support through practical seminars at our training centre. By this, we offer well proven know-how with use of the most up to date MARTIN equipment.



Optional Extras



Height Sensor
Sensor module for Measure Dispense and for generating 3D data.



Consumables
Extensive range of consumables from shop.martin-smt.de.



Cartridge Cooling
Cooling module with 10°C lowering of temperature.

DOTLINER 06.6

The set includes

- CCD axes system with controller
- Dispensing head with heating for 5cm³ syringes
- Camera system with USB adaptor
- Test point and standby area
- PCB rail, 4 PCB holders
- Software Easy-Dispense 06
- Software CAM-DESIGNER Standard

Technical Details

Max. PCB width	400 mm
Max. PCB length	500 mm
Footprint	700 mm x 900 mm
Travel	495 mm x 325 mm
Resolution of axes	0.025 mm
Speed max.	8.0 m/min
	14,000 dots/h
Dot volume	0.0005 mm ³ – 5.0 mm ³
Dot diameter min.	0.13 mm
Line pressure	0.1 – 5.0 bar
Syringe heating	20 – 50°C
Temperature compensation	0 – 50°C
Fill level compensation	self learning



DOTLINER 06.5

The set includes

- CCD axes system with controller
- Dispensing head with heating for 5cm³ syringes
- Camera system with USB adaptor
- Test point and standby area
- PCB rail, 4 PCB holders
- Software Easy-Dispense 06
- Software CAM-DESIGNER Standard

Technical Details

Max. PCB width	300 mm
Max. PCB length	400 mm
Footprint	700 mm x 600 mm
Travel	325 mm x 260 mm
Resolution of axes	0.025 mm
Speed max.	8.0 m/min
	14,000 dots/h
Dot volume	0.0005 mm ³ – 5.0 mm ³
Dot diameter min.	0.13 mm
Line pressure	0.1 – 5.0 bar
Syringe heating	20 – 50°C
Temperature compensation	0 – 50°C
Fill level compensation	self learning

