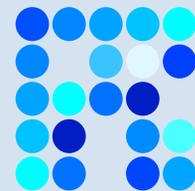


I-JET

Easy Jet Drop System



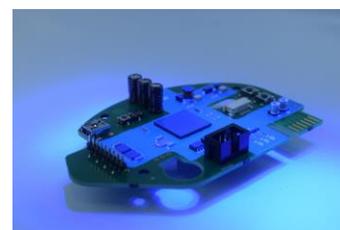
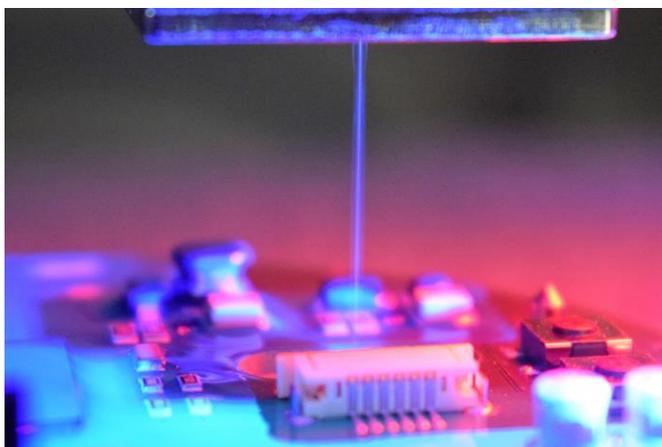
Coating

for precision and flexibility



Product use

- ✓ High jet dosing distance
 - ✓ Intuitive, graphical software
 - ✓ Integrated camera
 - ✓ Low Pressure Jetting
 - ✓ Multi components capacity
 - ✓ Exact coating delineation
 - ✓ Reference mark control
- Short process times
 - Short programming times
 - Simplest programming
 - No splashes or spray
 - Short changeover times
 - Enables secure AOI testing
 - High precision

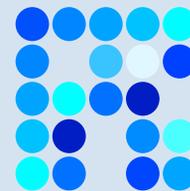


Coating facilities
Dosing systems
2K-Dosing system
Jet vents
Drying station
UV-Oven
Inspection systems
Coating sets
Complete equipment
Service & Consulting

The EPSYS I-Jet system was developed for a very precise and flexible protective coating of electronic assemblies. It combines great flexibility, short programming times and high precision. The safe and easy-to-learn operation allows the introduction of the coating process in many manufacturing facilities.

I-JET

Easy Jet Drop System



Coating

for precision in assemblies coating

The I-Jet method

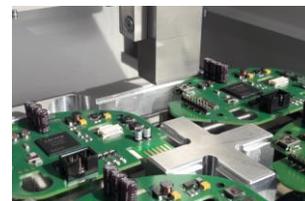
The basis of this system is the innovative jetting module. In this method, the coating material is metered with low pressure jetting on the assembly.

As a result, low exit velocities are achievable. This leads to significantly lower reflection-related splashes and thus to virtually no coat contamination of the environment. The amount of paint can be influenced by the adjustable system parameters such as paint pressure, opening time and opening frequency.



Uncritical height of the jetting head

Depending on the coating material and rheology, the jetting module can reliably dispense from a distance of 50 mm above the substrate, and this virtually constant coating resolution. Collisions with high components are thereby avoided. An additional advantage results from metering the coating from a relatively high level. The topography of the assembly is in most cases irrelevant, the programming of the coating surface simplifies considerably.



Fast and easy programming with camera

The coating programs can be easily created with the standard CCD camera. Lines, circles, surfaces, polygons, etc. are easily approached with the camera and teach-in procedures are defined. The graphical interface and the very simple operation help with complex programs for selective coatings and dosing tasks.



Optional Multi-Dispensing

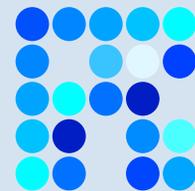
The simple programming and the innovative design of the tool holder enables the system to be converted into an efficient painting or dispensing system. This allows membrane or needle valves, atomizing spray nozzles or a screw valve to be connected. In conjunction with the EPSYS I-DOS 2K system, even 2-component materials can be applied precisely and in the smallest quantities, so that the system can also be used for bonding components to assemblies.



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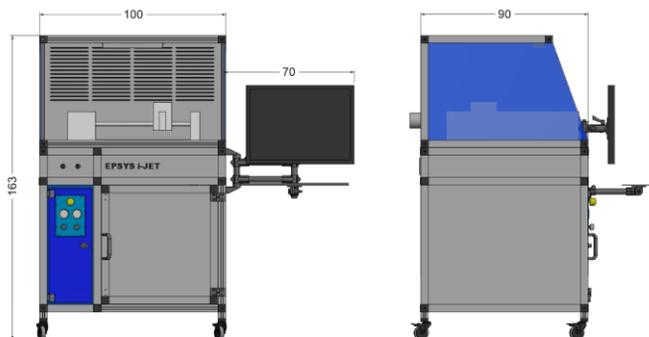
Easy Jet Drop System



Coating

for precision in assemblies coating

Machine overview



Equipment

- Base cabinet with PC holder and ESD rollers
- Monitor with keyboard and trackball holder
- Interior lighting black light and white light switchable
- 3-Axis gantry robot
- Rear wall with passive suction

Technical Data

| | |
|--------------------|--|
| Dimension (WxDxH): | see drawing |
| Weight: | approx. 150 kg |
| Max. coating area: | 320 x 420 x 70 mm |
| Axis speed: | up to 80 mm/Seconds |
| Connection: | 230 V 1~, 500 VA, 6 bar |
| Exhaust: | 150m ³ /h |
| Control: | 3-Axis control with CCD camera and reference mark control |
| Programming: | PC with Windows 10 (customer service) and intuitive software |

Options

| | |
|----------|--|
| 80011001 | Flow monitor for the extraction |
| 80011002 | Changeover for other tools |
| 80011003 | PC complete with monitor, trackball and keyboard |
| 80011004 | Automatic reference mark recognition |
| 400120XX | Workpiece carrier I-frame adjustable for the respective module |

For a complete workspace you also need



Quick Drying System EPSYS VES

- Low energy costs
- Safe drying
- Small space requirement



Work and Inspectionstation I-LED

- Easy control under black light
- Comfortable reworking
- Safe surface extraction

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