



OPEN VIAL DISPENSING

THE FUTURE OF RADIOPHARMACEUTICAL DOSING

Reliable. Precise. User-friendly.



Your challenge – our solution

Downtime, inaccurate dosing and time-consuming manual processes are hurdles that slow down productivity and jeopardize the safety of your patients.

Precision, safety and reliability in the filling of radiopharmaceuticals form the basis for patient safety and the (economic) success of your facility.

Key benefits



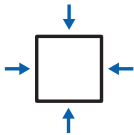
Dosing of up to 100 vials/h with maximum precision ($\pm 1 \mu\text{l}$)



Self-calibrating scales for consistent results



Compact integration in Class A isolators



Perfect for small spaces thanks to optimized design. Ideal for use in a laminar flow



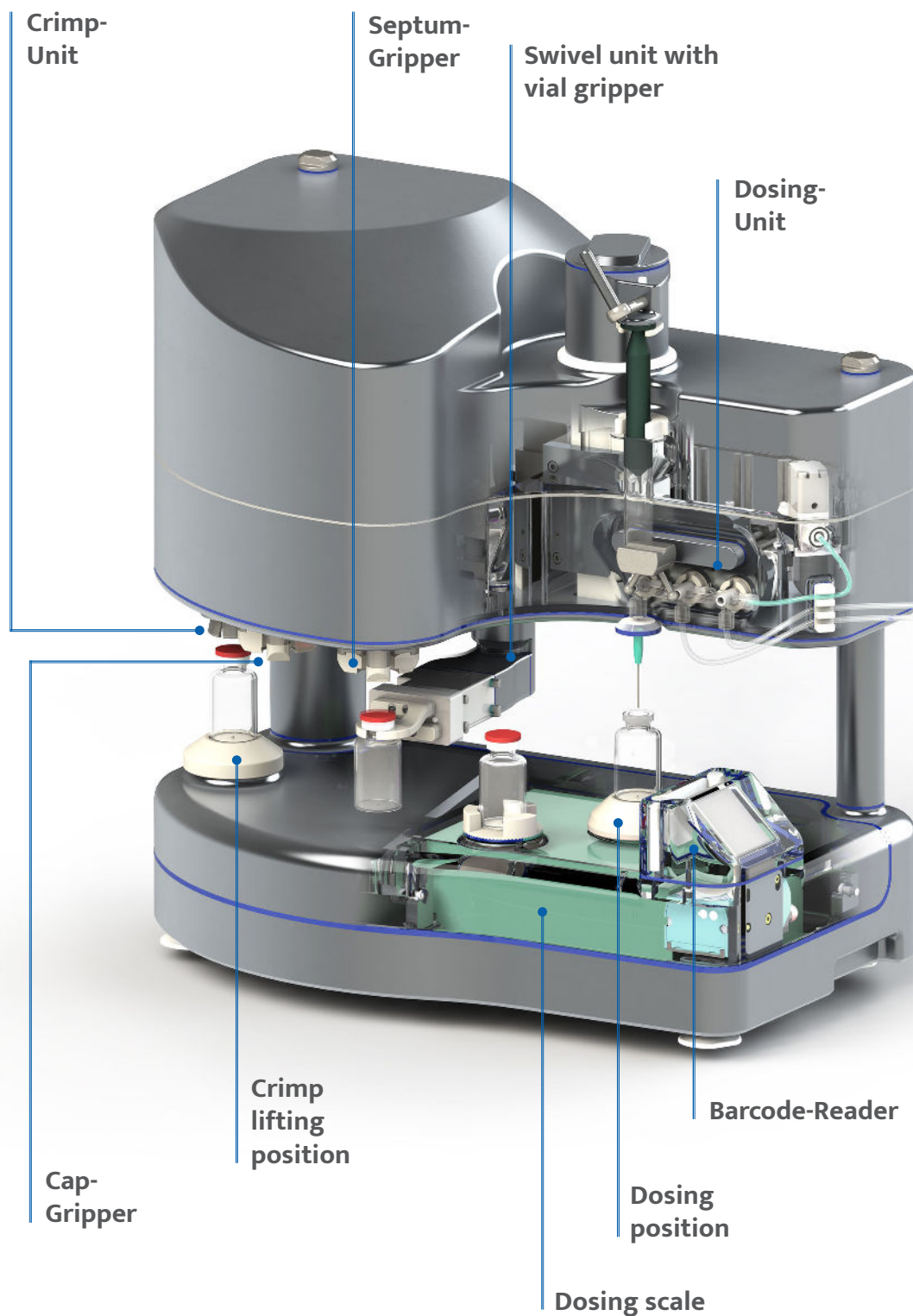
Reduce labor with an automated filling process and automatic crimping function



Compliance with global standards (cGMP, GAMP, 21 CFR Part 11)



Integrated label printer and barcode scanner



With the OVD system, the cts Group offers a high-precision, automated filling system for radiopharmaceuticals that ensures seamless control and dosing. We are thus responding to the challenges of the industry and offering an optimum combination of efficiency and safety by automating the entire process from sampling to filling and sealing the vials. Thanks to its modular design, such as the integrated crimping and dosing station, it ensures compliance with the highest regulatory standards and significantly reduces the risk of human error and technical complications.

Technical specifications

Dimensions	<ul style="list-style-type: none">• Total 480 x 295 x 500 mm• Weight: 40 kg / 88lbs
Measuring system	<ul style="list-style-type: none">• Built-in, high-precision, self-calibrating scales for accurate dosing
Volume Transfer System	<ul style="list-style-type: none">• Dosing with maximum precision thanks to gravimetric measurement• Electric valves with zero dead volume
Performance	<ul style="list-style-type: none">• Volume accuracy: $\pm 1\mu\text{l}$• Filling time: < 55 sec for 10 ml Vial
Hygienic design	<ul style="list-style-type: none">• Smooth and easy to clean surfaces• VHP-resistant materials• Sterile kits for everyday use
Software	<ul style="list-style-type: none">• GAMP5 and FDA 21 CFR part. 11 compliant• Different security passwords for different user levels• User-defined accounts• Audit trail incl. automatic encrypted storage in an exportable and printable format• Auto-back-up function• CSV import of personalized data
Features	<ul style="list-style-type: none">• Optimized for filling into open vials• Compact design, ideal for use in various hot cells with laminar flow• Vial + Septum + Aluminum Vial Cap - customizable• Automatic final test for validation of sterility (sterile filter test)• Controlled completely independently of the hot cell via PLC• Easy to remove from the hot cell for quick cleaning and maintenance work

