

dental wings

3SERIES

spec sheet



The all-new 3Series is a compact 3D scanner embedded with a powerful computer and offered in flexible DWOS® CAD configurations. Designed to evolve with the growing needs of laboratories, the 3Series is an economical solution to which additional DWOS® applications can be added at any time.

Capabilities and features

- **High scanning accuracy:** latest generation Blue Laser Illumination system combined with our proven high-precision mechanical and optical components guarantees consistent, repeatable high precision scans
- **Extensive scanning capabilities:** scans gypsum models, wax-ups, check bites, implant scan bodies and dental impressions for post and core cases.
- **Design of a wide range of restorations:** pre-installed with the DWOS CnB application allows for the design of copings and bridge frameworks, telescopic crowns, single customized abutments, full contour bridges inlays/onlays, veneers, over-pressed crowns and bridges and more.
- **Design Wizards:** streamlined design paths allow for the creation of crowns and single customized abutments in just a few clicks.
- **Flexible design capabilities:** add additional DWOS® CAD applications as needed.
- **Automatic multi-die mode:** up to 12 elements scanned and designed in 8 minutes, unattended.
- **Expandable libraries:** delivered with a large array of preset tooth anatomies, attachments, and material files, and the option of creating or importing new ones.
- **Manufacturing integration:** integrated with a large array of equipment and processes including 5 axis milling, 3D printing and selective laser melting.
- **Integrated communication** between clinics, labs and production centers through DWOS® Connect.
- **Certified workflows** by Straumann (CARES® plug-in), 3M ESPE (Lava™ Milling Centers) and Dentsply Implants (ATLANTIST™).

Scanning volume	90 mm x 90 mm x 90 mm
Optical technology	Class 1 laser product 1 high-speed measuring camera 1 color video camera
Number of axes	3 (2 rotative, 1 translative)
Embedded computer & OS	Core i5, 8 GB memory 1GB of dedicated RAM graphic card Windows 7, 64 bits, 250 GB SSD
Accuracy ¹	15 microns
Output format	STL & supported partner formats
Scannable materials	Plaster, wax-up and impression materials (for post cores)
Electrical data	100-240 V AC / 50-60 Hz / 160 W
Certifications	CE, OHS A, Canada (SCC)
Screen ports	DVI, HDMI & VGA

	Crated	Uncrated
Dimensions (W x D x H)	47 cm x 51 cm x 75 cm 18.5" x 20" x 29.5"	34.5 cm x 33 cm x 44.5 cm 13.5" x 13" x 17.5"
Weight	25 kg / 55 lbs	15 kg / 33 lbs

	Included	Optional	
Software applications	Crown & Bridge	•	
	Implant Prosthetics		•
	Partial Frameworks		•
	Full Dentures		•
	Model Builder		•
	Bite Splints		•
	Orthodontic Archiving		•
	Rapid Prototyping		•
Accessories ²	Guided Surgery		•
	Model holder	•	
	Impression add-on		•
	Multi-die holder (12 slots)	•	
	Calibration plate	•	
	SAM® articulator		•
Axis finder holder		•	

¹ Based on Dental Wings' testing standards.

² Functional accessories only. Monitor, keyboard and mouse are not included (except for certain distributors).