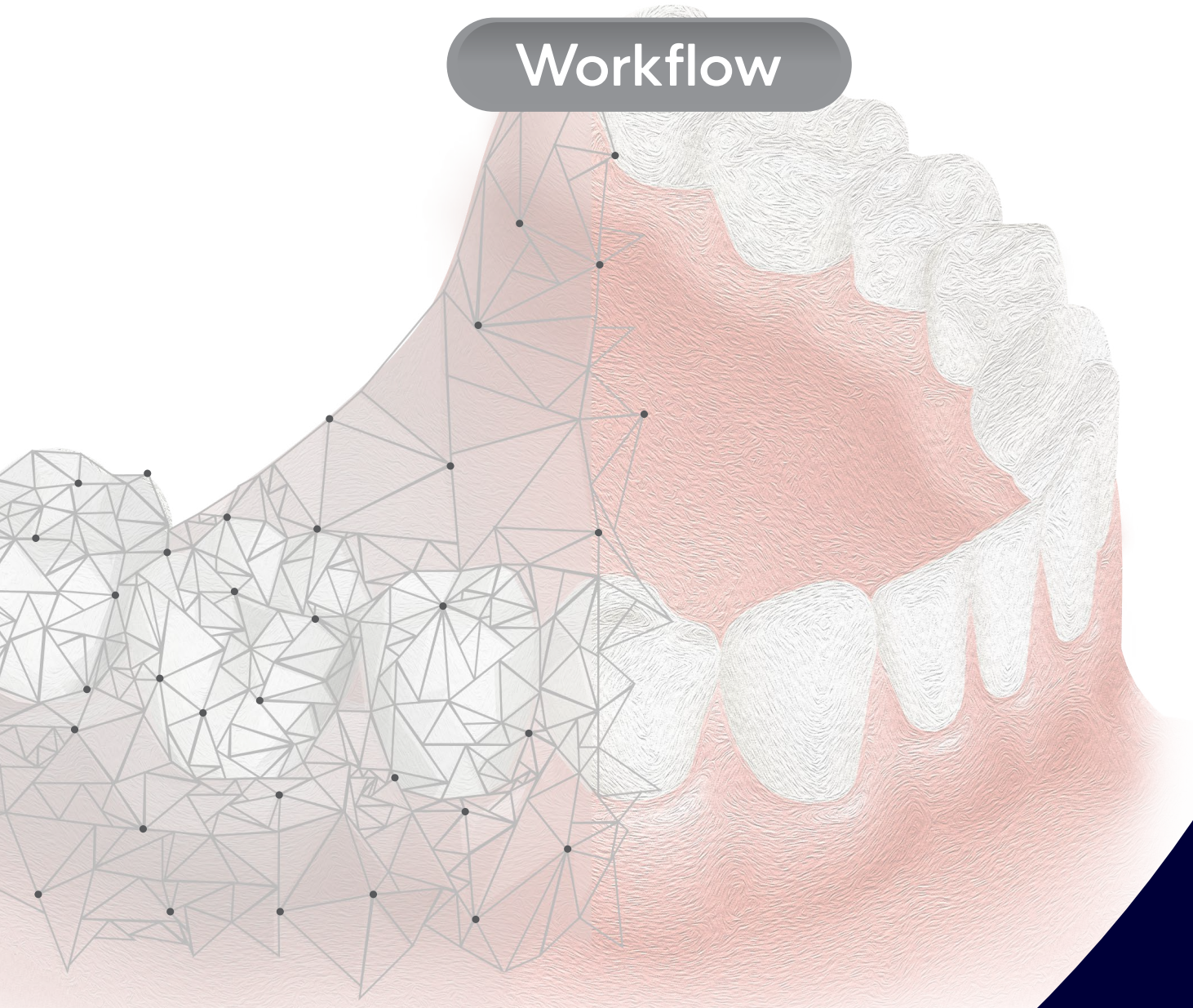
CAD-CAM

Workflow



adin

CAD-CAM

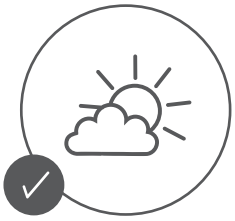
Technology has revolutionized the way we understand the world, and dentistry is no exception. New technologies have made it possible to improve the efficiency and personalization of dental care.

Digital impressions, CAD design, and 3D printing can now create a perfect reproduction of a patient's mouth within hours, compared to the several days that it used to take. This has led to significant improvements in efficiency, as dentists can now spend less time on manual tasks and more time with patients.

In addition, digital technologies allow for greater personalization of dental care. No two patients are alike, and each treatment can be tailored to the individual's needs. This is made possible by the use of 3D scanners and milling machines, which can create custom-made restorations that are perfectly fitted to the patient's mouth.

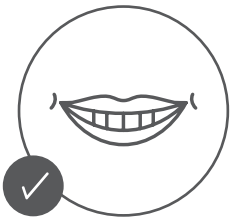
The use of new technologies in dentistry has led to a number of benefits for patients, including:

Shorter treatment times

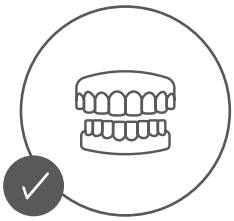


Greater comfort

More accurate diagnoses



Improved cosmetic results



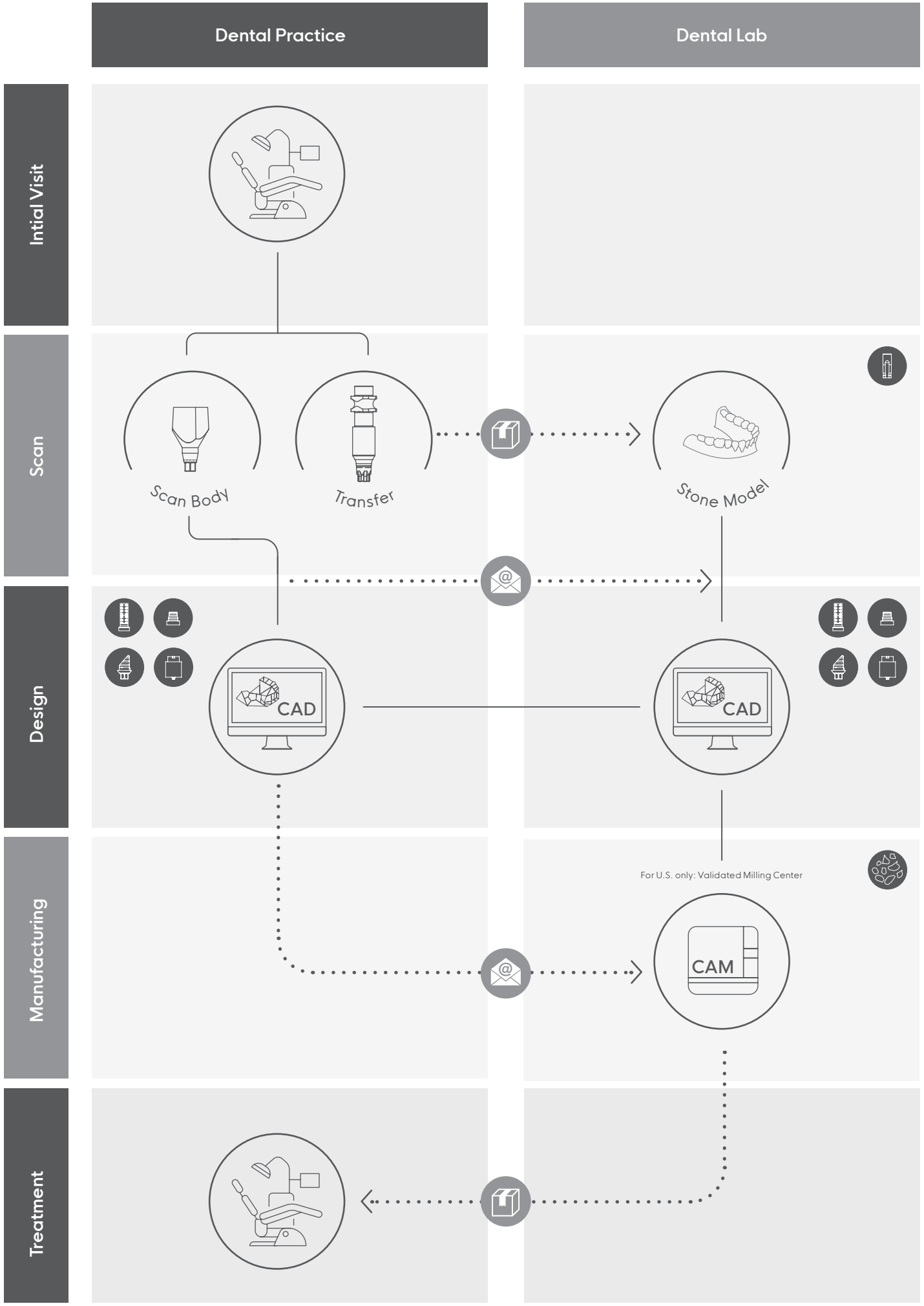
Increased durability of restorations

As technology continues to advance, it is likely that we will see even more improvements in the efficiency and personalization of dental care in the years to come.

All digitally designed custom abutments for use with Ti Base abutments or Pre-milled Blank abutments are to be sent to the following Adin Dental validated milling center for manufacture (US only):

Pittman Dental Laboratory, 2355 Centennial Circle, Gainesville, GA US 30504.

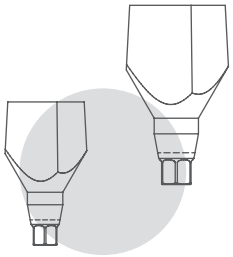
Tel: +1-800-235-4720 | e-mail: support@pittmandental.com


Dental Practice
Dental Lab
Intial Visit
Scan
Design
Manufacturing
Treatment
Scan Body
Transfer
Stone Model
CAD
CAD
For U.S. only: Validated Milling Center
CAM

Scan Body

The Scan Body is a component used as a digital transfer for intraoral scanner and other scanners. The unique geometry and texture of Adin's Scan Bodies optimize the effectiveness of the scanning process.
Scan Bodies are available for all of Adin's implant connection platforms & for Adin's TMA abutments – differing in height to accommodate all clinical scenarios.

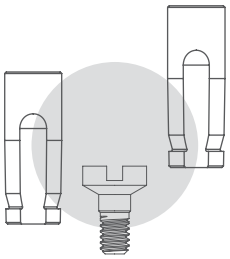
Features:



- Soild unique geometric design for scanning between teeth & special texture validated for powder-less scanning procedure
- Titanium alloy material is used to achieve a durable and accurate component
- Innovative 3D scan body files designed for optimal matching & accuracy enabling35µ technology
- Reusable - designed for use with both desktop & intraoral scanners
- Available in two different heights for optimal clinical fit in the occlusion
- Retaining screw is included for efficiency - laser marked for platform & height

Digital Model Analog

The Digital Model Analog, designed for 3D printed models, integrates seamlessly with a comprehensive digital CAD-CAM solution. Whether derived from an intraoral scan or a desktop scan, this analog allows for the simultaneous creation of a digital model and CAD-CAM restoration planning.



Its optimized geometry for 3D printing, combined with a specialized lock screw, ensures precise positioning within the 3D model. This precision is pivotal for accurate restoration planning and simulation.

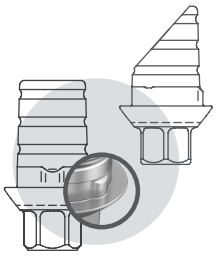
Adin's Digital Model Analog stands out for its user-friendliness. It facilitates prosthetic screw tightening in line with Adin's recommended torque levels. Furthermore, the clear color coding of the analog makes it easy to distinguish between different platforms.

In essence, the Digital Model Analog offers a versatile solution for every kind of restoration in the dental industry.

Ti Bases

A Ti base is used to restore a dental implant using CAD-CAM solutions.
For this purpose, a superstructure is cemented onto the Ti base and can be used as the abutment or directly bolted screw, Adin's Ti bases are available in different gingival & restorative heights to ensure maximum adaptation for the case needs.

Features:



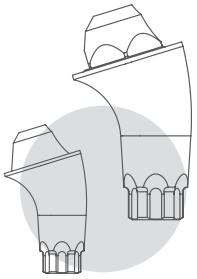
- Wide variations of gingival and restorative heights, to fit any clinical situation
- Engaging (anti-rotation connection for single-unit restoration)
- Non-engaging variations (connection that allows rotation for multi-unit restorations)
- Angular engaged Ti Base (for anterior tooth restoration)
- For all Adin implant connections
- Supports screw-retained and cement-retained restorations
- Retaining screw is included

* US Only: Use Zirconia Argen Z Ultra (Cleared under K071410) for the superstructure fabrication and Panavia V5 cement (Cleared under K150704) as an adhesive extraorally to connect the Ti Base and the sintered Zirconias superstructure.

TMA & Single TMA (STMA) Abutments

Expanding Adin's assortment of screw-retained restoration solutions, we offer the Single TMA (STMA). This innovation harnesses the advantages of TMA abutments, ensuring precision and adaptability for individual tooth restorations.

Adin's STMA seamlessly merges the benefits of a trans-gingival approach with screw-retained single tooth restoration. This fusion results in enhanced flexibility across aesthetics, safety, and restoration upkeep.

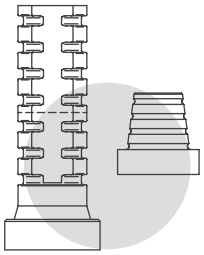


The foundation of Adin's Single TMA lies in the TMA abutment. The integrated hex index guarantees precise positioning and retention, essential for supporting a single tooth crown. We offer both open and closed tray transfers, as well as scan bodies for digital impressions. This ensures compatibility with all preferred impression techniques. Additionally, replicas are available to streamline and simplify the workflow.

TMA & Single TMA (STMA) Cylinder & Cementing Cone

TMA-MU Cementing Cone and Temporary cylinder are used as Ti-Bases for cementing CAD-CAM screw-retained restoration (temporary and permanent) to the TMA.

Features:



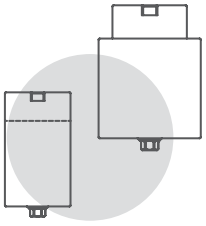
- Enable precise and long lasting contact between CAD-CAM restoration and TMA-MU abutments
- Support cemented and screw-retained restoration
- Support bridge (non-engaged) restorations
- Designed with a large cementing surface and grooves for high stability and best fit adhesio
- Dedicated library for temporary restorations

Titanium Blanks (Ti Blanks)

Pre-milled Adin Ti Blanks are used as a raw material for CAM fabrication of a single part (monolithic) titanium abutment. The production design of the individual abutment is done digitally with CAD software.

Adin Ti Blanks abutments are intended for use with dental implants as a support for single or multiple tooth restoration in the maxilla or mandible of a partially or fully edentulous patient.

Features:



- Titanium Blanks, to be used for custom abutments, are available for all din's implant platforms
- Different sizes of Ø=11.5mm and Ø=15.8mm to accommodate all clinical needs
- Adin's Ti Blanks are Medentika PreFace® standard compatible
- As a customized abutment, the final milled part needs no additional manual manipulation
- Material: Titanium (Ti 6Al 4V ELI)

* Availability of the products in a country is limited and depends on local regulation. For more information, please contact your local representative

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About Adin

Every business starts with a vision.
Ours is simple: We want to create the best possible dental implant solutions that offer uncompromising quality at an affordable price. It's our people that help our business thrive and grow. That's why we place so much importance on building strong personal relationships that enable us to meet our doctors and distributors' needs. Understanding that their success is our success, we're focused on providing professional, high quality and affordable solutions and exceptional service that help them grow.

adin | Personal touch
Professional approach

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