

CORTEX™

The Future of Dental Implants

CAD / CAM CATALOGUE 2018
Digital restoration Products

Digital Dentistry is the art of designing, planning and producing aesthetic and precise dental restorations using computers, milling machines and 3D printers. It is becoming a routine in prestige dental practices and laboratories around the world.

Cortex Dental Implants Industries introduces its brand new, top quality CAD-CAM products range, including Scan-Bodies and Titanium-Bases (As well as CEREC compatible Scan posts and Titanium-Bases) for 2.4mm Internal Hex interface and Narrow, Regular and Wide Conical Platforms.

The accuracy and simplicity of Cortex CAD-CAM System plays a major role in creating precise restorations, simple and intuitive workflow and exceptional aesthetic results.

In order to achieve such a high level of components, we established a fully equipped in-house laboratory, featuring state of the art Scanners, 3D printers, Production center and more.

This lab gives us the ability to develop, design and validate our superior quality products, as well as fully support our valuable clients with any issues arising.

Scan Bodies

Scan Bodies are designed to transfer an ultra-precise location of the implant by means of optical scanning. A digital 3D model of the jaw and the implant is created containing all critical restoration parameters such as: Implant position, Implant's Axis angulation and Hexagon Buccal-Lingual orientation.

Using this 3D model together with CAD-CAM software, designing and producing of Individual Abutments, Screw Retained Crowns and Bridges, Bars and unlimited variations of Frame-Work, becomes intuitive and precise.

Main characteristics

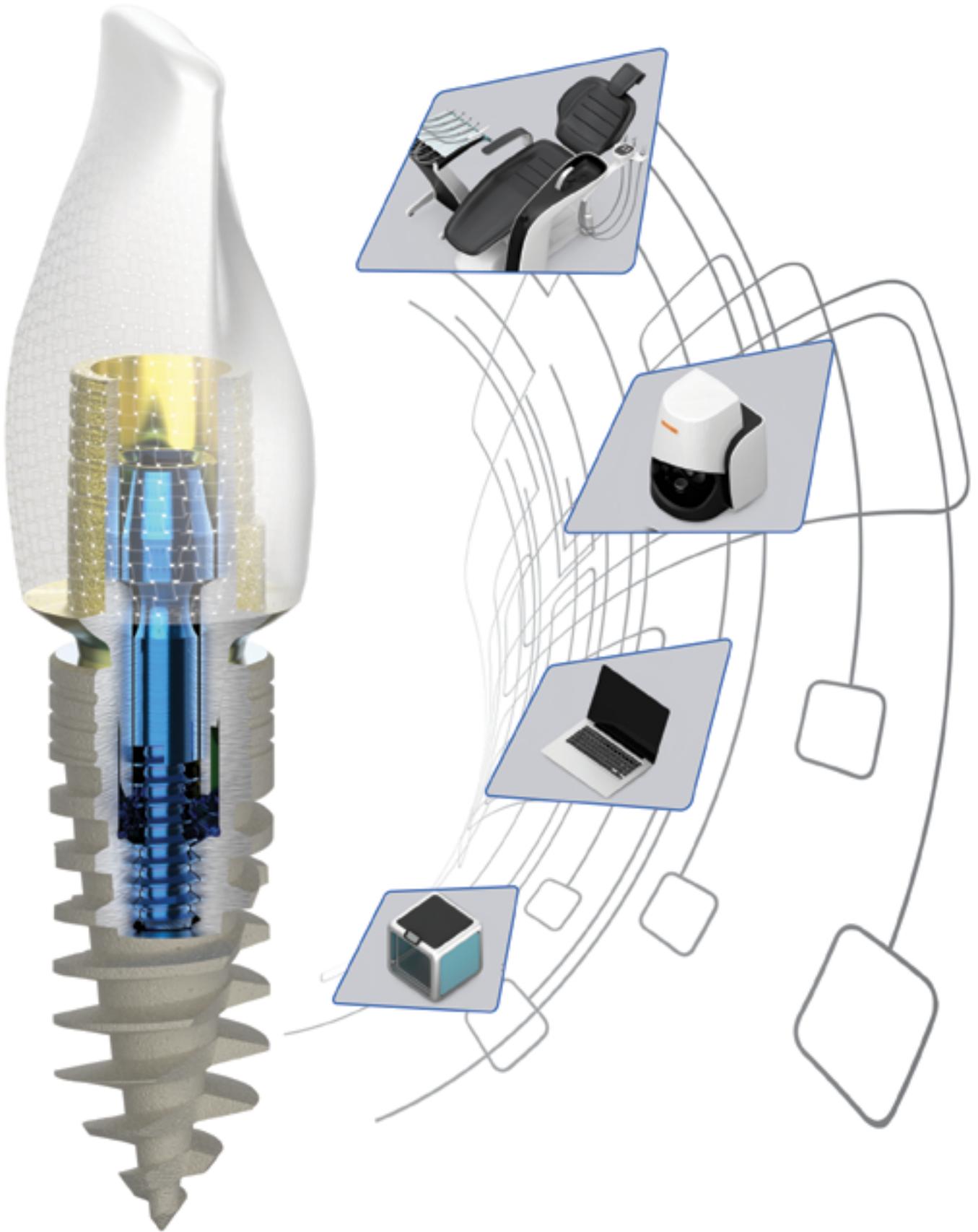
- Micro-Roughness for enhanced scanning contrast
- Biocompatible – Titanium 6Al4V
- Laser marking for platform identification
- Asymmetrical geometric shape
- Various CAD-CAM systems compatibility
- IntraOral/ExtraOral
- Built in screw

Titanium Bases

Titanium bases (Ti-Bases) are used as joining structures for ceramic restorations such as: Hybrid-Abutments and Screw Retained Crowns and Bridges. Cortex Ti-Bases are produced in accordance with our strict precision and quality standards, ensuring superior aesthetic results. Our Ti-Bases inclusive range, available in different configurations and heights, provides full cover to all restorations techniques and cases for Individual Crowns (Engaged) and Multi-Teeth restorations (Non-Engaged).

Conical connection Ti-Bases include anodized connecting screw, compatible with the Implant's platform and in accordance with Cortex Conical connection color coding system.

CAD CAM



Scan Body

Overall micro-Roughness for enhanced scanning contrast

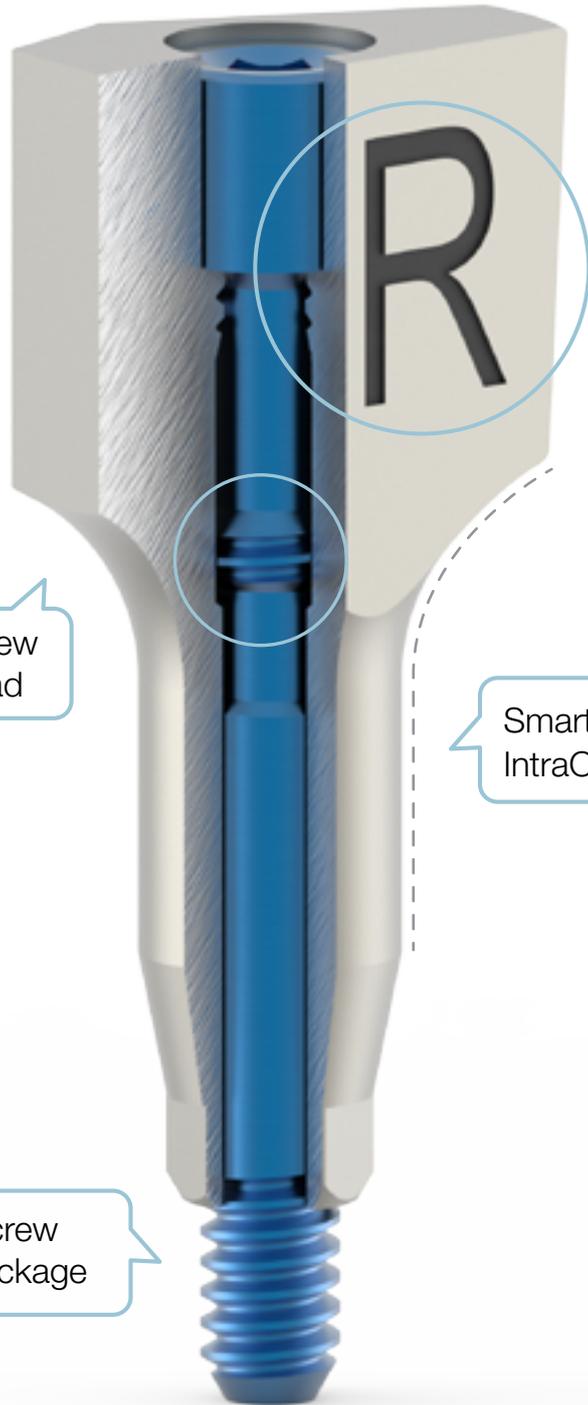
Asymmetrical shape

Laser marking for platform identification

Special Built in screw with retaining thread

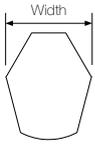
Smart and Slim Geometry for IntraOral/ExtraOral scanners

Compatible screw included in package





Internal Hex



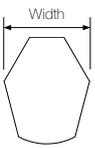
Cat. Number
Width [mm]



CO-SBZZ
5



Conical Connection



Cat. Number
Width [mm]



MPN-SBZZ
4



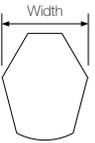
MPR-SBZZ
4



MPW-SBZZ
5



Multi Unit



Cat. Number
Width [mm]



CO-SBMU
5

Scan Body - Screw

Internal Hex

Conical Connection

Multi Unit



Cat. Number

CO-S030



MPN-SSB



MPR-SSB



MPW-SSB



MU-SSB

- Overall height from Implant top surface = 11mm
- Packed with compatible screw
- Manual Screw Tightening

Ti-Base - Lock (Engaged)

Pre-Machined rings for enhanced Z-Axis Retention

Wide range of collar and body sizes

Anti-Rotataion Lock aligned with Implant Hex

Seamless connection to crown

Compatible screw included in package



Ti-Base - Screw

Internal Hex

Conical Connection



Cat. Number

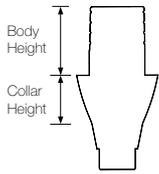
CO-S030

MPN-S030

MPR-S030

MPW-S030

Internal Hex

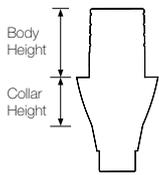


Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]

CO-TBH1	CO-TBH2	CO-TBH3	CO-TBH4
1	1	3	3
4	6	4	6
30	30	30	30



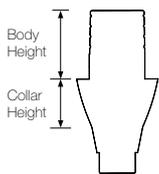
Conical Connection



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]



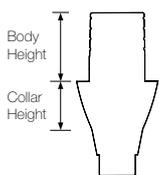
MPN-TBH1	MPN-TBH2	MPN-TBH3
1	2	3
4	4	4
20	20	20



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]



MPR-TBH1	MPR-TBH2	MPR-TBH3	MPR-TBH4
1	2	3	4
4	4	4	4
30	30	30	30



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]



MPW-TBH1	MPW-TBH2	MPW-TBH3	MPW-TBH4
1	2	3	4
4	4	4	4
30	30	30	30

Ti-Base - No Lock (Non Engaged)



Ti-Base - Screw

Internal Hex

Conical Connection



Cat. Number

CO-S030

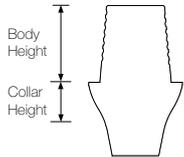
MPN-S030

MPR-S030

MPW-S030



Internal Hex

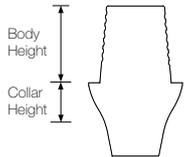


Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]

CO-TBR1	CO-TBR2	CO-TBR3	CO-TBR4
1	1	3	3
4	6	4	6
30	30	30	30



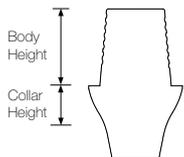
Conical Connection



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]



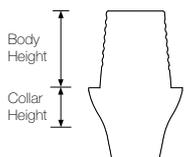
MPN-TBR1	MPN-TBR2	MPN-TBR3
1	2	3
4	4	4
20	20	20



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]



MPR-TBR1	MPR-TBR2	MPR-TBR3	MPR-TBR4
1	2	3	4
4	4	4	4
30	30	30	30



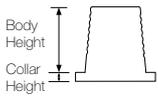
Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]



MPW-TBR1	MPW-TBR2	MPW-TBR3	MPW-TBR4
1	2	3	4
4	4	4	4
30	30	30	30



Multi Unit Ti-Base



Cat. Number	MU-STSSST	MU-LTSST
Collar Height [mm]	0.3	0.7
Body Height [mm]	4	4
Torque [Ncm]	20	20

Multi Unit - Screw

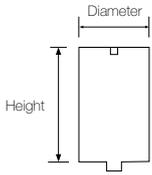


Cat. Number	MU-S010	MU-S020
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Pre-Mill



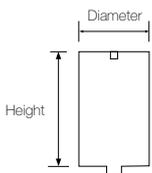
Internal Hex



Cat. Number	R9000-R
Height [mm]	20
Diameter [mm]	11.5
Torque [Ncm]	30



Conical Connection



Cat. Number	S9030-R	S9000-R	S9020-R
Height [mm]	20	20	20
Diameter [mm]	11.5	11.5	11.5
Torque [Ncm]	20	30	30

Screw

Internal Hex

Conical Connection



Cat. Number	CO-S030	MPN-S030	MPR-S030	MPW-S030
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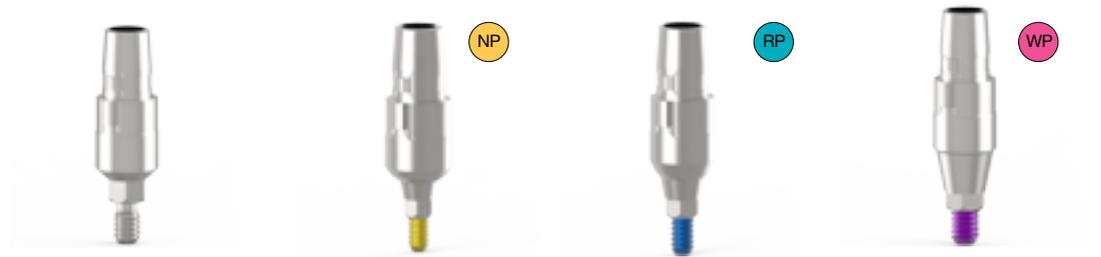
- Packed with compatible screw

Scan Post

CEREC
Compatibile

Internal Hex

Conical Connection



Cat. Number
*Manual tightening

CO-SPCRC

MPN-SPCRC

MPR-SPCRC

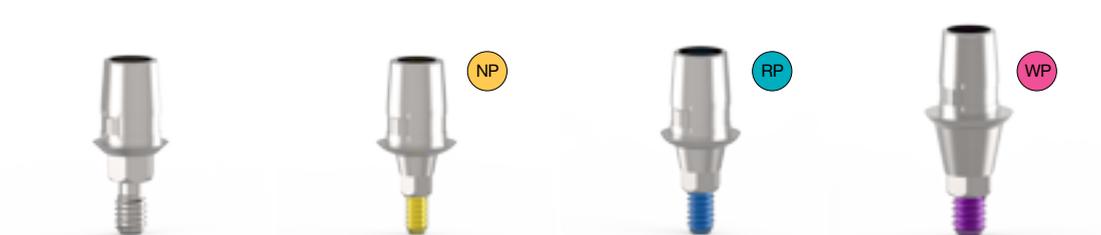
MPW-SPCRC

Ti-Base - Lock (Engaged)

CEREC
Compatibile

Internal Hex

Conical Connection



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]

CO-TBCRC

MPN-TBCRC

MPR-TBCRC

MPW-TBCRC

0.5

1

1

1

4.5

4.5

4.5

4.5

30

20

30

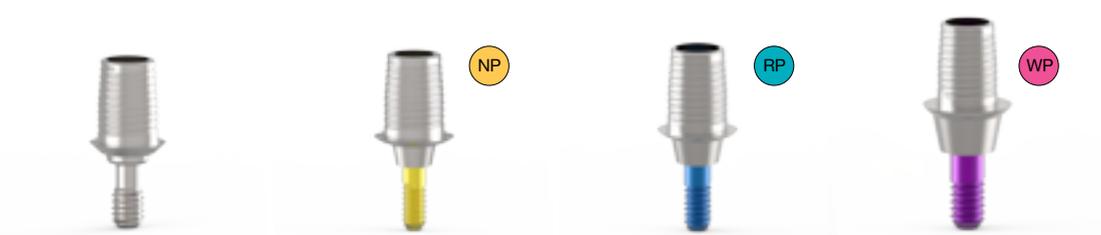
30

Ti-Base - No Lock (Non Engaged)

CEREC
Compatibile

Internal Hex

Conical Connection



Cat. Number
Collar Height [mm]
Body Height [mm]
Torque [Ncm]

CO-TBCRCR

MPN-TBCRCR

MPR-TBCRCR

MPW-TBCRCR

0.5

1

1

1

4.5

4.5

4.5

4.5

30

20

30

30

Screw

Internal Hex

Conical Connection



Cat. Number

CO-S030

MPN-S030

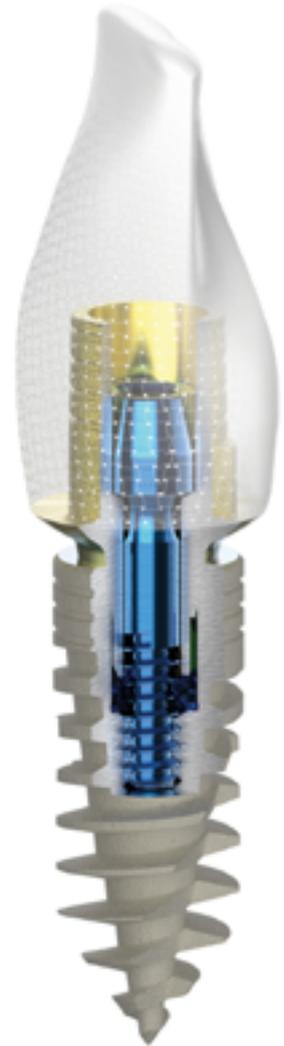
MPR-S030

MPW-S030

- Packed with compatible screw

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The Future of Dental Implants

CAD CAM
solutions



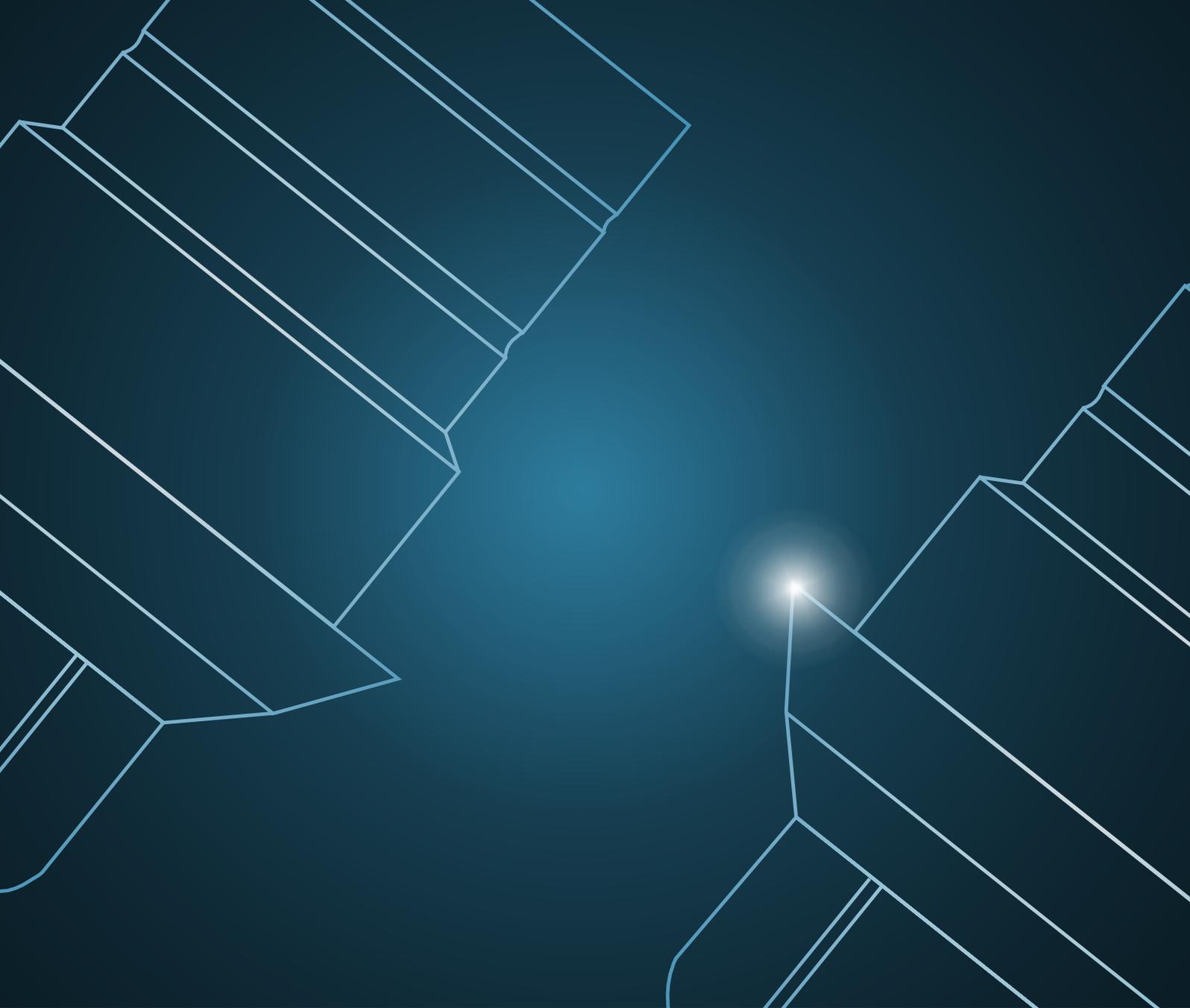
exocad 3shape 

Supported systems - Software libraries for ExoCad, 3Shape containing all relevant restoration parts (Scan Bodies, Ti-Bases and PreMills) are available for download. The company may update its supported systems list from time to time according to market requirements.

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AC-CadCamFlyer(rev.2)

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