





Customer address			
Company:			
Street:			
Postal code / City:			
Contact person:			
Floor:			
			
			



## Checklist for installing a CORiTEC milling system

After complete editing, this document must be signed and sent back to the fax number +49 (0) 6672 898-222 or via email to [dental@imes-icore.de](mailto:dental@imes-icore.de).

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Revision index		
Revision	Date	Name
New edition	23.07.2019	FP
Adaptation	16.11.2020	FP

## Order information

With the acquirement of a CORiTEC-System you take the decision for a high-quality CAD/CAM-System. We want, that you have success with the system.

The complexity of the system demand, that we check all technical details before you get the system.

To install and set up the system, all the required conditions must be available and functional on site.

The delivery of the machine and the components will only be released if this checklist has been completely filled out and signed.

Thank you for your understanding and cooperation!

### Milling systems

<input type="checkbox"/>	CORiTEC one	<input type="checkbox"/>	CORiTEC 350i
<input type="checkbox"/>	CORiTEC 150i dry	<input type="checkbox"/>	CORiTEC 350i Loader
<input type="checkbox"/>	CORiTEC 150i	<input type="checkbox"/>	CORiTEC 350i PRO
<input type="checkbox"/>	CORiTEC 150 PRO	<input type="checkbox"/>	CORiTEC 350i Loader PRO
<input type="checkbox"/>	CORiTEC 250i dry	<input type="checkbox"/>	CORiTEC 350i PRO*
<input type="checkbox"/>	CORiTEC 250i	<input type="checkbox"/>	CORiTEC 350i Loader PRO*
<input type="checkbox"/>	CORiTEC 250i Loader PRO	<input type="checkbox"/>	CORiTEC 350i robot
<input type="checkbox"/>	CORiTEC 650i	<input type="checkbox"/>	CORiTEC 650i Loader

### Suction units

<input type="checkbox"/>	CORiTEC iVAC eco+	<input type="checkbox"/>	CORiTEC iVAC silent
<input type="checkbox"/>	CORiTEC iVAC pro+	<input type="checkbox"/>	CORiTEC iVAC silent PRO
<input type="checkbox"/>	CORiTEC iVAC expert	<input type="checkbox"/>	CORiTEC iCompVAC

### 3D dental scanners

<input type="checkbox"/>	3Shape E1	<input type="checkbox"/>	i3Dscan eco
<input type="checkbox"/>	3Shape E2	<input type="checkbox"/>	i3Dscan color
<input type="checkbox"/>	3Shape E3	<input type="checkbox"/>	i3Dscan color HR
<input type="checkbox"/>	3Shape E4	<input type="checkbox"/>	
<input type="checkbox"/>	3Shape D2000 (plus PC)	<input type="checkbox"/>	

### CAD/CAM software

<input type="checkbox"/>	CORiTEC iCAM V4.7 (plus PC)	<input type="checkbox"/>	Exocad CAD-Software
<input type="checkbox"/>	CORiTEC iCAM V5 smart (plus PC)	<input type="checkbox"/>	

### PC user languages

<input type="checkbox"/>	German	<input type="checkbox"/>	English
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Delivery and dimensions		
Delivery address reachable by truck (7.5t)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is there a limitation of driving to the place of unloading? (one-way-street, pedestrian precinct, time limit or similar?)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Parking space available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Unloading possibility available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Floor of installation site?	Floor	
Is a crane necessary to transport the milling system to installation site?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Please send photos or sketches for the way from the place of unloading to the installation site! Especially of obstacles or critical points like curves, corners, doors, stairs, other narrow places.	<input type="checkbox"/> Yes	
Please plan shunting distances for the insertion! (Curves, stairs, narrow places, elevator?)	<input type="checkbox"/> Yes	
Are paved paths available to transport the milling system with a transport device (e.g. lift truck)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Distance of place of unloading to building entrance?	approx. Meter	
Minimum width on the paths to building entrance?	Meter	
How is the continuous width to the installation site? (Curves, corners, doors, stairs, other narrow places?)	<input type="checkbox"/> > 82 cm	
	<input type="checkbox"/> > 125 cm	
	<input type="checkbox"/> Other: cm	
Is a suitable elevator available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Load capacity of the elevator?	kg	
Dimensions of the elevator?	Width: cm	
	Depth: cm	
	Height: cm	
	Door width: cm	
Are there any special floorings (risk of damage)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is the soil bearing capacity adequate (from, to and at the installation site)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The room and the room climate (humidity and temperature) must be suitable for the proper operation of the machine! The room temperature must be constant and in between 18°C – 25°C! Took note of it?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Electrics

Please check very conscientiously the points “Electrics” and “Compressed air” or if necessary, let it check by a specialist! These points are essential for a proper and orderly operation of your CORiTEC System!

**The following connections must be available in the immediate environment (maximum 1.5 meter) at the installation site!**

1x 230 V	Network switch?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
3x 230 V	Scanner, CAD PC and Monitor?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2x 230 V	CAM PC and Monitor?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1x 230 V	Sintering furnace? <b>Minimum 15 Ampere; separate connection cable necessary! Do not operate with extension cord!</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1x 230 V	Suction unit?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1x 230 V	Milling system? <b>one / 150i-Series / 250i-Series / 350i-Series</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
1x 400 V	Milling system? <b>650i / 650i Loader</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
RCD switch for milling system with high frequency spindle is designed and available for <b>pulsating currents</b> ?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
To prevent machine failures a <b>separate circuit breaker</b> is recommended for all device groups! Took note of it?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
To prevent fire hazards and failures through heat development <b>do not</b> use extension cords! Took note of it?		<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Connection requirements

CORiTEC milling system	Voltage	HZ	Fuse	RCD Type [Depending on national regulation]	Yes	No
one 150i (PRO) (Dry) 250i (Loader) (PRO) 350i (Loader) (PRO)	100 – 240 V (single-phase)	50/60	C13/1 to C16/1	30 mA RCD Type-B	<input type="checkbox"/>	<input type="checkbox"/>
350i (PRO) (+) (Loader)	115 or 230 V (single-phase)	50/60	C16/1	30 mA RCD Type-B	<input type="checkbox"/>	<input type="checkbox"/>
650i (Loader) [EU]	400 V (three-phase)	50	C16/3	30 mA RCD Type-B	<input type="checkbox"/>	<input type="checkbox"/>
650i (Loader) [US]	240 V (two-phase)	60	C20/2	30 mA RCD Type-B	<input type="checkbox"/>	<input type="checkbox"/>

### Compressed air (150i PRO)

For CORiTEC milling system 150i PRO the following compressed air requirements must be fulfilled!

Pressure (constantly present)	min. 3.5 bar	max. 9.0 bar	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Volume flow (continuous air output)	min. 50 l/min (litres per minute)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Interface (compressed air connection)	Quick connect coupling NW / DN 7.2		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Air purity (air must be dry, cleaned and free of oil!)				
Solid contaminants	Class 3	Filter grade better than 5 µm for solids	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Water content	Class 4	max. pressure dew point +3 °C	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total oil content	Class 2	max. oil content 0.1 mg/m³	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Compressed air (150i dry / 150i / 250i-Series / 350i-Series)

For CORiTEC milling system 150i dry / 150i / 250i-Series / 350i-Series the following compressed air requirements must be fulfilled!

Pressure (constantly present)	min. 7.0 bar	max. 9.0 bar	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Volume flow (continuous air output)	min. 80 l/min (litres per minute)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Interface (compressed air connection)	Quick connect coupling NW / DN 7.2		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Air purity (air must be dry, cleaned and free of oil!)				
Solid contaminants	Class 3	Filter grade better than 5 µm for solids	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Water content	Class 4	max. pressure dew point +3 °C	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total oil content	Class 2	max. oil content 0.1 mg/m³	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### Compressed air (650i / 650i Loader)

For CORiTEC milling system 650i / 650i Loader the following compressed air requirements must be fulfilled!

Pressure (constantly present)	min. 7.5 bar	max. 9.0 bar	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Volume flow (continuous air output)	min. 150 l/min (litres per minute)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Interface (compressed air connection)	Quick connect coupling NW / DN 7.2		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Air purity (air must be dry, cleaned and free of oil!)				
Solid contaminants	Class 1	Filter grade better than 0.1 µm for solids	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Water content	Class 4	max. pressure dew point +3 °C	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total oil content	Class 1	max. oil content 0.01 mg/m³	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Network

For a trouble-free set up of the Network we recommend the presence of a IT-specialist that is responsible for you!

**The customer is responsible to provide a router with a functioning Internet connection, before the installing and setting up of the milling system!**

A local network will be installed between scan PC, CAM PC and the control PC of the milling machine. Took note of it?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Are the distances between the individual devices larger than four metres?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, then it is necessary that appropriate network cables and connection sockets are installed ready for operation! Took note of it?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The Internet router provided by the customer must be set up accordingly or the IP addresses must be configured on site by a responsible IT specialist. If necessary, the firewall must be configured! All computers (CAD, CAM and machine) must be in the same network and have a permanent Internet connection (for remote maintenance)! Took note of it?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Should the CAD/CAM system be integrated into an existing network?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, then is the presence of the responsible IT-specialist necessary! The company imes-icore may not implement a connection to an existing network for safety reasons! Took note of it?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
We recommend to set up the CAM PC, Scan PC with scanner, router or switch spatially together! (Delivered network cable: 5 m patch cable with RJ45 plugs.) Took note of it?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Sintering furnace

Is there enough free space to set up the furnace?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does the place of installation or the table carry at least 100 kg?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

## Suction unit

<ul style="list-style-type: none"> <li>Control via 24V control cable of the milling system.</li> <li>Compressed air connection for iVAC pro+ directly from the milling system.</li> <li>The required connection material is included in the scope of delivery.</li> <li>iVAC eco+, iVAC expert and iCompVAC do not require a compressed air connection.</li> <li>The connection for the suction hose is located on the rear side of the suction unit.</li> <li>Dust emptying on the front side at all suction units.</li> <li>For an optimum suction performance, it is recommended that the distance from suction unit to the machine be as short as possible (max. 5m).</li> <li>Sufficient air circulation must be ensured to prevent the extraction system from overheating!</li> <li>Took note of it?</li> </ul>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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## Setting up the CORiTEC milling system

For the CORiTEC milling systems one / 150i-Series / 250i-Series / 350i-Series the company imes-icore offers a undertable, specially developed for the need of the machine. The table provides an attractive appearance, stable design, sufficient floor space, height-adjustable feet for optimum standing, drawers, cable ducts and a cabinet to integrate the extraction system into the table (noise reduction).

Would you like an offer with illustration for an undertable for your milling system?

☐ Yes

☐ No

Sufficient footprint for setting up the milling system available?

☐ Yes

☐ No

Does the place of installation or the table carry the weight of the milling system?

☐ Yes

☐ No

The place of installation for the machine must be all around freely accessible for maintenances and repairs, or be easy to bring it into this position by using a roller table! Took note of it?

☐ Yes

☐ No

## Weight table of the milling systems

CORiTEC one	~ 65 kg	CORiTEC 350i	~ 180 kg
CORiTEC 150i dry	~ 70 kg	CORiTEC 350i Loader	~ 225 kg
CORiTEC 150i	~ 70 kg	CORiTEC 350i PRO	~ 205 kg
CORiTEC 150 PRO	~ 75 kg	CORiTEC 350i Loader PRO	~ 250 kg
CORiTEC 250i dry	~ 95 kg	CORiTEC 350i PRO+	~ 205 kg
CORiTEC 250i	~ 95 kg	CORiTEC 350i Loader PRO+	~ 250 kg
CORiTEC 250i Loader PRO	~ 95 kg	CORiTEC 350i robot	Individual
CORiTEC 650i	~ 625 kg	CORiTEC 650i Loader	~ 930 kg

## Training for CORiTEC milling system

I would like to receive a training in the following language:

For other languages an interpreter must be arranged!

In this case please contact your contact person at the imes-icore GmbH.

☐ German

☐ English

☐ Other:



Confirmation	
<p>With my signature I confirm the completeness and correctness of the information and have understood that due to missing or wrong requirements a setting up of the milling system cannot take place within the intended time, only partially or not at all!</p> <p>If you have any further questions or require assistance, please contact in advance your contact person at imes-icore GmbH!</p>	
<div></div>	<div></div>
Customer's signature	Place, Date
<p>If you have any questions, please do not hesitate to contact the company imes-icore GmbH at any time!</p> <p>Please fax the fully completed checklist to fax number +49 (0) 6672 898-222 or send it back via email to <a href="mailto:dental@imes-icore.de">dental@imes-icore.de</a>.</p>	

Verification	
Verification of the checklist for completeness of the information by imes-icore GmbH.	
Signature	Date

[illegible]



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