

Price List 2020

CAD CAM  
*echo*



# ECHO customised prosthetic system

Sweden & Martina ECHO Scan Centre and ECHO Milling Centre can offer to the customers a service of customised individual prosthesis both on natural teeth and implants.

The Scan Centre offers several services, see the following pages.

The Milling Centre is provided with advanced milling machines to obtain extremely precise rehabilitations, reproducible, passive and reliable. The precision of the structures is ensured by the quality control performed by specialised dental technicians.

The technical assistance staff constantly controls the files received from the Milling Centre and soon contact the laboratory in order to handle special needs.

The warranty terms on ECHO products can be consulted in the following pages.

The production can start from virtual models, resulting from all open scanner systems, or from real models sent to ECHO Scan Centre.

## ECHO Assistance

For Echo Assistance please call [08007747542](tel:08007747542) (toll free) Monday to Friday from 7.30 a.m. to 12.00 a.m. and from 1.00 p.m. to 4.30 p.m. (U.K. time). Alternatively you can send a WhatsApp message to [+39 3482337374](tel:+393482337374).

The support is available for the following services:

- **HARDWARE SUPPORT**

Scanner calibration and other repairs with the aid of direct computer remote connection;

- **SOFTWARE SUPPORT**

lecture and on CAD design with the aid of direct computer remote connection;

- **LIBRARY INSTALLATION**

Sweden & Martina and other competitor CAD library installation;

- **ORDER CONFIRMATION**

including quality control of the files (received within 11 a.m.).

Confirmation of files arrived after 11 a.m. (U.K. time) will be sent the day after.

### Compatible implant libraries

3Shape System

Haereus (solo open 3Shape)

ZFX (Exocad)

Dental Wings System

3M (solo Dental Wings Open System)

EGS System (Exocad)

Exocad System

Sinergia (Exocad)

EGS System (DentalCad)

Amann Girrbach (Exocad)

Straumann (solo Dental Wings Open System)

Renishaw (Exocad)



## ECHO Scan Centre

The ECHO Scan Centre service is available for all the dental laboratories not equipped with scanners and softwares, but want to benefit from ECHO customised prosthesis.

The ECHO Scan Centre can also model individual structures requested from clinicians/laboratories starting from intraoral scan.

It is sufficient to send the **model** and **wax-up** to Sweden & Martina: the ECHO Scan Centre personnel will do the rest.

All the orders must be sent via the appropriate portal <https://ddp.sweden-martina.com>

**Please note:** even if you send a real model to the Scan Centre, an order on the portal must be inserted and the model must be sent together with the printed form downloaded from the portal.

### Model specifications

It is advisable to send to ECHO Scan Centre models as more accurate and undeformable as possible, like the ones made of resin. In case of stone models it is preferable to use extra hard stone material.

It is recommended to safely package the models and the accessories using proper packing materials to **ensure the integrity of the goods during transportation.**

**Models for prosthesis on natural teeth:** the models must have removable stumps with proper ditching and must not have been sprayed with separator spray or opaque varnish.

It is advisable to add to the shipping the antagonist and/or occlusal registration, possibly within the articulator. The ECHO Milling Centre can replicate the design of any wax-up, from single crowns to full-arches, both in wax and resin.

**Models for prosthesis on implants:** the models must be fabricated with new components (transfers and analogs), so as to ensure the maximum precision of platforms coupling. They must include removable gum made of pink silicon or other proper materials. If wax-ups are included in the shipping, they must be made of resin, instead of wax, to prevent possible distortions.

# ECHO Scan Centre services

## Modeling starting from intraoral scan

The Scan Centre is able to model starting from an intraoral scan file sent via portal. In this case the price of the structures subsequently produced from ECHO Milling Centre must be increased by 15 GBP for each unit compared to the following price list.

## Real model with shortened diagnostic wax-up

The Scan Centre is able to virtually duplicate the model and generate the STL file starting from real wax-ups already shortened. In this case, the price of the structures subsequently produced from ECHO Milling Centre must be increased by:

- 5 GBP for each unit compared to the following price list indicated for bars and direct bridges;
- 10 GBP for each unit compared to the following price list indicated for caps, bridges, crowns and abutments.

## Real model with diagnostic wax-up to be shortened or without diagnostic wax-up

The Scan Centre is able to virtually shorten the diagnostic wax-ups, so as to obtain a model already considering the space for the support of cemented caps or bridges or the thickness of the ceramic layer in case of screw-retained prosthesis; furthermore, the Scan Centre can model prostheses sent without wax-up. In this case the price of the structures subsequently produced from ECHO Milling Centre must be increased by 20 GBP for each unit compared to the following price lists.

# Angulated screw hole

Screw-retained structures often generate aesthetic difficulties due to the angulated positioning of the implants, because of the screw hole in the vestibular zone. The Scan Centre is able to operate on scans and virtual models moving the screw hole in palatal or lingual area, up to 28°.

The product is delivered with specific screws dedicated to the angulated screwing, to be tightened with dedicated screwdrivers, that is the only component that must be purchased from the laboratory.

The service has an accessory cost of 30 GBP for each hole, including the special screw.

The price of a spare screw is 26 GBP per unit, while the price of the dedicated screwdriver (available in lengths of 24 or 32 mm) is 78 GBP.



### Warning

If the model is sent with wax-up already including the angulated holes, it will not be possible to exactly reproduce the preparation, since it is compulsory to project the holes according to accurate computer algorithms to ensure the correct interaction between the screwdriver and the screw hole.

# Supports for luting: T-Connect and Interfase Dynamica

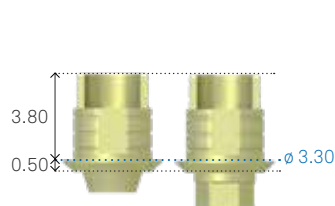
T-Connect and Interfase Dynamica supports permit to fabricate crowns, posts and multiple structures by luting technique, without sacrificing the micrometric precision in coupling between platforms that can be obtained with conventional components.

The structures to be luted on supports can be fabricated in different materials.

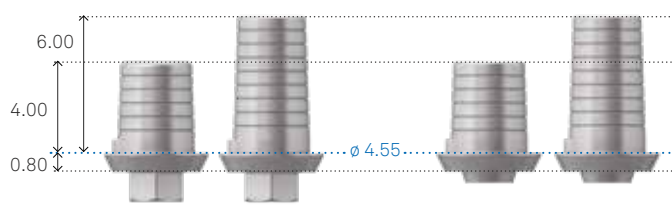
The structures can be fabricated from the ECHO Milling Centre, after sending the file.

The customers who do not have an open CAD system can rely on ECHO Scan Centre for scan and structure design activities. The structures can be fabricated from all the laboratories and milling centres owning open CAD-CAM systems, just asking the libraries to ECHO Scan Centre. **In case of milled structures from ECHO Milling Centre in materials such as zirconium, lithium disilicate and cobalt chrome, they will be delivered separate from the T-Connect and/or the Interfase Dynamica supports:** the two parts can be joined together on the bench using an anaerobic cement.

T-Connect supports are available with a cone for luting with height of 4.00 and 6.00 mm, in repositionable version for single rehabilitations and rotating version for multiple rehabilitations. Interfase Dynamica supports are available with a unique cone height, in repositionable version for single rehabilitations and rotating version for multiple rehabilitations.



*Interfase Dynamica for multiple and single rehabilitations*



*T-Connect for single rehabilitations*

*T-Connect for multiple rehabilitations*

If the T-Connect or Interfase Dynamica supports are purchased separately, please consider that:

- T-Connect fixation screws, in Gr. 5 titanium, are always included;
- Interfase Dynamica fixation screws must be purchased separately at a price of 26 GBP per unit.

For further details on the codes of spare fixations screws, please consult the catalogues of the different Sweden & Martina implant systems.

The supports for luting technique are available for almost all the Sweden & Martina implant platforms. Please contact the ECHO Scan Centre for further information.

# Attention to raw material

The range of available materials is in continuous evolution to ensure the laboratories the possibility to choose **the most suitable solution for every single clinical case**. All the raw materials are certified and have a proven biocompatibility.

The available materials are:

- zirconium oxide
- stratified zirconium oxide
- Gr. 5 biomedical titanium
- milled cobalt chrome
- laser-sintered cobalt chrome
- raw laser-sintered cobalt chrome (the sintering process remnants are not removed)
- PEEK
- reinforced PEEK
- biomedical resin for temporary prosthesis
- glass fiber
- lithium disilicate
- composite
- castable PMMA
- aluminum (only for passivation and Sheffield test)

**Warning**

The technical characteristics of raw materials used in Sweden & Martina Milling Centre can be consulted on the website [www.sweden-martina.com](http://www.sweden-martina.com).

The characteristics of some of the materials used are reported below:

**Biomedical titanium:** the structures are milled from a Gr. 5 titanium disk, according to ISO 5832-3 and ASTM F136-11 standards. This alloy in titanium including aluminum and vanadium ensures an excellent mechanical strength lasting over time, particularly indicated for full-arch rehabilitations.



**Cobalt chrome:** the Milling Centre uses disks in cobalt chrome alloy (not containing nickel, beryllium or gallium), having as main characteristics the high resistance to corrosion and a proven biocompatibility. Laser-sintered cobalt chrome structures are also available.



**PMMA for temporary prostheses:** the new multilayer technology simulates the natural chromatic progression of the dentin and of the natural enamel with calibrated shades, thanks to the 5 overlapped polymer layers. The translucency of each single layer of the disk creates a tridimensional effect and a natural translucency, giving to the temporary prosthesis a great aesthetic result.



**PEEK:** is the new material for fixed prostheses, especially for patients with allergies, perfect for bars and screw-retained rehabilitations. PEEK is a radiopaque material, so in case of screw-retained prostheses on implants is possible to control the correct coupling with the implant platform.





# Delivery times

## **In case of file shipping, the delivery times are the following:**

- screw-retained CAD-CAM structures tightened on implants:
  - > Sending file: 4 working days + shipping\*;
- cemented CAD-CAM structures in lithium disilicate, PEEK and glass fiber:
  - > Sending file: 4 working days + shipping\*;
- cemented CAD-CAM structures in zirconium, cobalt chrome, PMMA, biomedical resin:
  - > Sending file: 2 working days + shipping\*.

## **In case of design service requested to ECHO Scan Centre, the delivery times must be extended as following:**

- in case of already shortened wax-up the count of delivery times starts from the day after the reception;
- in case of wax-up to be shortened or no wax-up the count of delivery times starts from the approval of the project from the customer (to be received within 11 a.m., U.K. time, otherwise it starts from the next day);
- the images for the approval will be sent by the day after the arrival of the model at the Scan Centre.

# Warranty terms

Sweden & Martina guarantees ECHO prosthetic components against manufacturing faults for 10 years. The warranty only covers manufacturing faults that have been confirmed after the piece, identified by an article code and lot number, has been sent for checks within the aforementioned period of warranty validity.

## **The warranty can be invoked if:**

- the patient do not present any of the contraindications to treatment indicated in the instructions, before, during or after implant surgery;
- the product has not been modified;
- the product has not suffered trauma due to accidents;
- the product has no damage caused by an accident or trauma or any other damage caused by the patient or third parties;
- the patient has good oral hygiene, regularly monitored by the operator and documented.

The warranty exclusively considers the replacement of any product, in which a manufacturing fault has been confirmed, with the same product or a product that is essentially the same.



### Substructures or full structures for bridges, crowns and full-arch on natural teeth

The products in zirconium oxide are submitted to a controlled sintering process lasting 15 hours, able to avoid problems such as surface porosity and deformations.

In case of lithium disilicate elements, the extension is one element, maximum two in case of small and adjacent elements.

### Substructures or full structures for single crowns (no full-arch) on implants, to be luted on the following titanium supports, not included:

- T-Connect;
- Interfase Dynamica;
- repositionable titanium sleeves.

**Please note:** in case of angulated screws, the price list below must be increased by 30 GBP each.

product line	material	price in GBP per unit
E15	zirconium oxide	40
E47	stratified zirconium oxide	50
E34	Gr. 5 biomedical titanium	32
E26	milled cobalt chrome	32
E16	laser-sintered cobalt chrome	18
E54	raw laser-sintered cobalt chrome	13
E44	PEEK	40
E44A	reinforced PEEK	49
E25	biomedical resin for temporary prosthesis	16
E31	glass fiber	18
E46	lithium disilicate	80
E53	composite	40
E24	castable PMMA	14
E51	aluminum (only for Sheffield test)	20

Prices refer to shipping via file.

In case of model shipping, the following costs must be added:

- design from model with shortened wax-up: ..... GBP 10 per unit;
- design from intraoral scan: ..... GBP 15 per unit;
- design from model with wax-up to be shortened or without wax-up: GBP 20 per unit.

**Posts and full anatomic crowns on implants, for luting technique, supplied with:**

- T-Connect;
- Interfase Dynamica.

The prices are per unit, complete with the related support (T-Connect or Interfase Dynamica, fixation screw included).

T-Connect and Interfase Dynamica supports are provided in repositionable version, not luted on the post or the crown. The luting must be carried out by the customer.

**Please note:** in case of Interfase Dynamica supports, the price list below must be increased by 30 GBP for each angulated screw.

product line	material	price in GBP per unit
E15A	zirconium oxide	90
E47A	stratified zirconium oxide	90
E26A	milled cobalt chrome	80
E16A	laser-sintered cobalt chrome	50
E44B	PEEK	90
E44C	reinforced PEEK	90
E25A	biomedical resin for temporary prosthesis	70
E46A	lithium disilicate	110

Prices refer to shipping via file.

In case of model shipping, the following costs must be added:

- design from model with shortened wax-up: ..... GBP 10 per unit;
- design from intraoral scan: ..... GBP 15 per unit;
- design from model with wax-up to be shortened or without wax-up: GBP 20 per unit.

**Warning**  
It is always recommended to use test screws for the laboratory phases and to keep the new screw supplied for the final fastening in the oral cavity. The whole list of the screws for each implant platform is contained in the catalogs of Sweden & Martina implant systems.

**Posts and full anatomic crowns on implants, milled**

ECHO Centre can provide:

- titanium or milled cobalt chrome posts, for Sweden & Martina implant platforms;
- titanium or cobalt chrome full crowns, for Sweden & Martina implant platforms;
- full crowns in zirconium oxide and stratified zirconium oxide, milled and sintered, only for connections with external hexagon with platform diameter 4.10 mm (hexagon 2.7 mm and 0.70 h, M 2.0 fixation screw).

**Please note:** in case of platforms with internal hexagon connection the zirconium posts must be used together with titanium supports, such as T-Connect or Interfase Dynamica.

The prices are per unit, complete with the related fixation screw. Fixation screws for posts and zirconium crowns are provided with a special retention O-ring to be inserted between the stop of the screw and its head.

**Please note:** in case of angulated screws, the price list below must be increased by 30 GBP each.

product line	material	price in GBP per unit
E19A	zirconium oxide, crowns	75
E50A	stratified zirconium oxide, crowns	75
E18	milled Gr. 5 biomedical titanium, posts	75
E55	milled Gr. 5 biomedical titanium, crowns	85
E36	milled cobalt chrome, posts	85
E48	milled cobalt chrome, crowns	85

Prices refer to shipping via file.

In case of model shipping, the following costs must be added:

- design from model with shortened wax-up: ..... GBP 10 per unit;
- design from intraoral scan: ..... GBP 15 per unit;
- design from model with wax-up to be shortened or without wax-up: GBP 20 per unit.

**Warning**  
It is always recommended to use test screws for the laboratory phases and to keep the new screw supplied for the final fastening in the oral cavity. The whole list of the screws for each implant platform is contained in the catalogs of Sweden & Martina implant systems.

**Prostheses on implants - direct/toronto bridge and mesostructures or full anatomic structures for bridges and full-arches, to be supported:**

- on implants;
- on P.A.D. or PLAIN intermediate abutments without intermediate sleeves (abutments not included);
- on intermediate supports, not included (for luting technique).

The price must be calculated on the base of the total number of elements of the structure.

The fixation screw is included.

In case of screw-retained structures on intermediate abutments (P.A.D. or PLAIN), the abutments must be purchased separately.

In case of structures to be luted on supports not supplied, even the fixation screws are not included.

The fixation screws for structures in zirconium oxide are provided with a special retention O-ring to be inserted between the stop of the screw and its head.

In case of mesostructures, it is possible to provide threaded holes for the insertion of attachments, not provided by Sweden & Martina. For information on the type of the thread and the price it is possible to contact the ECHO Scan Centre. It is responsibility of the laboratory to provide the details for the fabrication of the desired threading.

**Please note:** in case of angulated screws, the price list below must be increased by 30 GBP each.

**Warning**

In case of complex structures it is recommended to check their passivation of the structures, asking for the fabrication of an aluminum bar for the Sheffield test (check page 14).

product line	material	price in GBP per 2 elements	price in GBP per 3/4 elements	price in GBP per 5/8 elements	price in GBP per 9/14 elements
E20	zirconium oxide and stratified zirconium oxide	150	180	350	530
E21	Gr. 5 biomedical titanium	150	180	350	530
E23	milled cobalt chrome	150	180	350	530
E45	PEEK	110	135	270	410
E45A	reinforced PEEK	120	140	280	430
E37	biomedical resin for temporary prosthesis	110	135	270	410

Prices refer to shipping via file.

In case of model shipping, the following costs must be added:

- design from model with shortened wax-up: ..... GBP 10 per unit;
- design from intraoral scan: ..... GBP 15 per unit;
- design from model with wax-up to be shortened or without wax-up: GBP 20 per unit.

**Warning**

It is always recommended to use test screws for the laboratory phases and to keep the new screw supplied for the final fastening in the oral cavity. The whole list of the screws for each implant platform is contained in the catalogs of Sweden & Martina implant systems.

**Prostheses on implants - direct/toronto bridge and mesostructures or full anatomic structures for bridges and full-arches, for luting technique, supplied with:**

- T-Connect;
- Interfase Dynamica.

The price must be calculated on the base of the total number of elements of the structure, including the related supports (T-Connect or Interfase Dynamica, fixation screw included).

T-Connect and Interfase Dynamica supports are provided in rotating version, not luted on the structure. The luting must be carried out by the customer.

In case of mesostructures, it is possible to provide threaded holes for the insertion of attachments, not provided by Sweden & Martina. For information on the type of the thread and the price it is possible to contact the ECHO Scan Centre. It is responsibility of the laboratory to provide the details for the fabrication of the desired threading.

**Please note:** in case of Interfase Dynamica supports, the price list below must be increased by 30 GBP for each angulated screw.

product line	material	price in GBP per 2 elements	price in GBP per 3/4 elements	price in GBP per 5/8 elements	price in GBP per 9/14 elements
E20A	zirconium oxide	200	230	480	720
E20B	stratified zirconium oxide	200	230	480	720
E21A	Gr. 5 biomedical titanium	200	230	480	720
E23A	milled cobalt chrome	200	230	480	720
E45B	PEEK	140	180	340	510
E45C	reinforced PEEK	150	190	350	520
E37A	biomedical resin for temporary prosthesis	150	190	350	520

Prices refer to shipping via file.

In case of model shipping, the following costs must be added:

- design from model with shortened wax-up: ..... GBP 10 per unit;
- design from intraoral scan: ..... GBP 15 per unit;
- design from model with wax-up to be shortened or without wax-up: GBP 20 per unit.

**Warning**  
It is always recommended to use test screws for the laboratory phases and to keep the new screw supplied for the final fastening in the oral cavity. The whole list of the screws for each implant platform is contained in the catalogs of Sweden & Martina implant systems.

**Prosthesis on implants - bars for full-arch rehabilitations, for direct screwing on implants**

The price must be calculated on the base of the total number of elements of the structure.

The fixation screw is included.

The number of elements is calculated according to a software estimate of the space occupied from the final prosthesis. For instance a bar from a canine to another must be calculated as 6 elements.

In case of mesostructures, it is possible to provide threaded holes for the insertion of attachments, which are not provided by Sweden & Martina. For information on the type of the thread and the price it is possible to contact the ECHO Scan Centre. It is responsibility of the laboratory to provide the details for the fabrication of the desired threading.

product line	material	price in GBP per 2 elements	price in GBP per 3/4 elements	price in GBP per 5/8 elements	price in GBP per 9/14 elements
E30	Gr. 5 biomedical titanium	155	176	350	520
E35	milled cobalt chrome	155	176	350	520
E49	aluminum (for Sheffield test)	50	72	120	230

Prices refer to shipping via file.

In case of model shipping, the following costs must be added:

- design from model with shortened wax-up: ..... GBP 10 per unit;
- design from intraoral scan: ..... GBP 15 per unit;
- design from model with wax-up to be shortened or without wax-up: GBP 20 per unit.

**Warning**

It is always recommended to use test screws for the laboratory phases and to keep the new screw supplied for the final fastening in the oral cavity. The whole list of the screws for each implant platform is contained in the catalogs of Sweden & Martina implant systems.

# Standard components of ECHO customised prosthetic system

## Scanbodies (product line E17)

intraoral scanbodies in PEEK with fixation screw included	price in GBP per unit
Sweden & Martina implant systems - with the exception of CSR implant system -	38
CSR	48
laboratory scanbodies in Ergal with fixation screw included	price in GBP per unit
Premium, Kohno, TG, Shelta, Prama, Premium One, Kohno One	34
CSR	44
P.A.D. abutment	31

## T-Connect (product line E32) and Interfase Dynamica (product line E56)

prosthetic component	price in GBP per unit
T-Connect, fixation screw included	42
sleeves for wax-up modeling on T-Connect	27
Interfase Dynamica, fixation screw not included	39

## 3D models (product line E12)

3D model, printing from file provided from the laboratory	price in GBP per unit
half arch with antagonist	40
half arch without antagonist	35
full-arch with antagonist	55
full-arch without antagonist	45
3D model, printing from file designed from ECHO Scan Centre	price in GBP per unit
half arch with antagonist	56
half arch without antagonist	51
full-arch with antagonist	71
full-arch without antagonist	61





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We have met the good manufacturing standards (GMP) set forth by many countries worldwide, including the United States FDA.



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