yenadent provides open cad cam system to the world dental market
Over 600 Machines have been installed in the following countries:

TURKEY • GERMANY • ITALY • FRANCE • NETHERLANDS • BELGIUM • U.S.A • CANADA • ENGLAND • RUSSIA • ROMANIA • ALBANIA • BRASIL • ISRAEL • KOSOVO • CHINA • AUSTRIA • S. KOREA • MACEDONIA • SERBIA • LEBANON • JORDAN • SAUDIA ARABIA • SOUTH AFRICA • POLAND • GEORGIA • SWEDEN • NORWAY • DENMARK • EGYPT • CYPRUS • GREECE • AZERBAYCAN • MEXICO • CROATIA • INDIA • CHILE • VENEZUELA • VIETNAM • U.A.E. DUBAI • SLOVAKIA • HUNGARY • AUSTRALIA • SLOVENIA • PHILIPPINES

Yena was established in 1996 and produces CNC systems for more than 15 years including dental cad/cam systems and solutions.

Yena produced more than 600 machines for dental market until today.
Technical Info:
Movements: 200 x 100 x 70 mm
Number of axis: 4
Control: High Speed YC
Axis motors: AC Servo 100 W
Spindle power: 1.3 kW
Spindle RPM: 60,000 rpm
Number of blocks: 1 pcs
Tool Change: 8 pocket
Tool length switch: Standard
Weight: 120 kg
Dimensions: 60 x 62 x 70 cm

Options:
Scanner with CAD

Standard:
Work area light
4 times tool changer
Automatic tool length switch IP67
AC servo motors
Precision guides and ball screws
Direct STL milling
PC with i5 processor
Touch screen
Touch buttons
High precision rotary drives
Ceramics
Full Contours Temporary crowns

INTRA ORAL

IMPRESSION SCANNERS

CAD DESIGN

D10
You can mill 140 units in 24 hours.

**Technical Info:**
- Movements: 200 x 100 x 70 mm
- Control: High Speed YC
- Number of axis: 4
- Axis motors: AC Servo 100 W
- Spindle power: 1.3 kW
- Spindle RPM: 60,000 rpm
- Number of blocks: 2 pcs
- Tool Change: 8 pocket
- Tool length switch: Standard
- Weight: 120 kg
- Dimensions: 60 x 62 x 70 cm

**Options:**
- Wet System
- Table
- Suction system
- Scanner with CAD
- Furnace for zirconia sintering
- Touch screen

**Standard:**
- Work area light
- 8 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Touch buttons
- High precision rotary drives
- Notebook with i7 CPU
- CAM Software
Technical Info:
- Movements: 200 x 100 x 70 mm
- Control: High Speed YC
- Number of axis: 4
- Axis motors: AC Servo 100 W
- Spindle power: 1.3 kW
- Spindle RPM: 60,000 rpm
- Number of blocks: 1 pcs
- Tool Change: 8 pocket
- Tool length switch: Standard
- Weight: 120 kg
- Dimensions: 60 x 62 x 70 cm

Options:
- Table
- Suction system
- Scanner with CAD
- Furnace for zirconia sintering
- Touch screen

Standard:
- Wet System
- Work area light
- 8 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Touch buttons
- High precision rotary drives
- Notebook with i7 CPU
- CAM Software
Technical Info:
Movements: 200 x 100 x 70 mm
Number of axis: 5
Control: High Speed YC
Axis motors: AC Servo 100 W
Spindle power: 1.3 kW
Spindle RPM: 60,000 rpm
Number of blocks: 1 pcs
Tool Change: 8 pocket
Tool length switch: Standard
Weight: 120 kg
Dimensions: 60 x 62 x 70 cm

Options:
Wet System
Suction system
Scanner with CAD
Furnace for zirconia sintering
Touch screen

Standard:
Work area light
4 times tool changer
Automatic tool length switch IP67
AC servo motors
Precision guides and ball screws
Touch buttons
High precision rotary drives
Notebook with i7 CPU
CAM Software

*with wet option
D43

**Technical Info:**
- Movements: 400 x 230 x 130 mm
- Control: High Speed YC
- Axis Numbers: 5 Axis
- Axis motors: AC Servo 400 W
- Spindle power: 1.3 kW
- Spindle RPM: 60,000 rpm
- Number of blocks: 1 pcs
- Tool Change: 14 pcs
- Tool length switch: Standard
- Weight: 310 kg
- Dimensions: 80 x 67 x 160 cm

**Options:**
- 2.5 kW 60,000 RPM Spindle
- Suction system
- Scanner with CAD
- Furnace for zirconia sintering
- CAM software

**Standard:**
- Wet system
- Work area light
- 14 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Control PC
- Touch screen
- High precision rotary drives
- Table
- Holder for ceramic machining
- Quick holder change

**Zircon Wax PMMA Ceramic CrCo Titanium Model**
D43B

**Titanium CrCo Zirconia Ceramic Wax PMMA**

**Technical Info:**
- **Movements:** 300 x 200 x 130 mm
- **Number of axis:** 4
- **Control:** High Speed YC
- **Axis motors:** AC Servo 400 W
- **Spindle power:** 1.3 kW
- **Spindle RPM:** 60.000 rpm
- **Number of blocks:** 1 pcs
- **Tool Change:** 6 pcs
- **Tool length switch:** Standard
- **Weight:** 310 kg
- **Dimensions:** 80 x 67 x 160 cm

**Options:**
- 2.5 kW 60.000 RPM Spindle
- Quick holder change
- Suction system.
- Scanner with CAD
- Furnace for zirconia sintering

**Standard:**
- CAM System
- Wet System
- Work area light
- 7 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Control PC
- Touch screen
- Harmonic drive
- Table
Technical Info:
- Movements: 400 x 280 x 140 mm
- Control: High Speed YC
- Axis motors: AC Servo 400 W
- Spindle power: 1.3 kW
- Spindle RPM: 60,000 rpm
- Number of blocks: 1 pcs
- Tool Change: 14 pcs
- Tool length switch: Standard
- Weight: 440 kg
- Dimensions: 100 x 78 x 166 cm

Options:
- 2.5 kW 60,000 RPM Spindle
- Holder for ceramic machining
- CAM software
- Suction system
- Scanner with CAD
- Furnace for zirconia sintering
- Quick holder change

Standart:
- 5 Axis
- Wet system
- Work area light
- 14 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Control PC
- Touch screen
- Harmonic drive
- Table
More than 24 Full arch model in one setup.

**Technical Info:**
- Movements: 400 x 280 x 140 mm
- Number of axis: 5
- Control: High Speed YC
- Axis motors: AC Servo 400 W
- Spindle power: 1.3 kW
- Spindle RPM: 60,000 rpm
- Number of blocks: 2 pcs
- Tool Change: 10 pcs
- Tool length switch: Standard
- Weight: 440 kg
- Dimensions: 100 x 78 x 166 cm

**Standart:**
- Work area light
- 10 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Control PC
- Touch screen
- Harmonic drive
- Model Table
- Zircon Milling attachment (2 blocks)

**Options:**
- Suction system
- Scanner with CAD
- Furnace for zirconia sintering
- CAM Software

Model Zircon
PMMA
Wax
DC40

Designed for Abutment Milling

Technical Info:
- Movements: 400 x 280 x 140 mm
- Number of axis: 5
- Control: High Speed YC
- Axis motors: AC Servo
- Spindle power: 6.5 kW
- Spindle RPM: 45,000 rpm
- Number of blocks: 1 pcs
- Tool Change: 12 pcs
- Tool length switch: Standard
- Weight: 800 kg
- Dimensions: 100 x 78 x 175 cm

Options:
- CAM Software
- Scanner with CAD
- Furnace for zirconia sintering

Standart:
- Quick holder change
- Heidenhain linear scales
- Casting body
- Wet system
- Work area light
- 12 times tool changer
- Automatic tool length switch IP67
- AC servo motors
- Precision guides and ball screws
- Control PC
- Touch screen
- Harmonic drive
- Table
- Touch buttons
- BD High precision tool holders
Features:
• Partially milled disk management
• Automatic fitting area recognition with high definition milling
• 4 axis milling
• Dedicated Zircon productions tools (sintering connectors, pins...)
• Metal milling optimisation
• Ready to use milling strategies
• Double side attachment for space optimisation (allow to produce 50 units per disk)
• Space optimisation with stl inclination (minimize blank thickness)
• Production report
• Toolpath creation Autocheck
• Toolchanger management automatic air activation coolant.

Custom Management:
• Machine library
• Strategy library
• Blank library (Cube, Cylinder, Disk, and user define blank)
Additional Features:
5 axis version get all the benefits of Standard version with additional rotary axis management. yenadent CAM allow to detect automatically best milling angle for each crowns and also multiple milling axis on bridges. This is automatic. Yenadentcam allow also with the 5 axis module to incline a long bridge in order to insert it in smaller block and then mill it incline along insert axis. Also yenadent CAM 5 axis is a true 5 axis software with real 5 axis milling toolpaths.
- Automatic Best angle 5 axis milling (3 + 2 axis)
- Full Shape inclination (3 + 2 axis)
- True 5 axis

Abutments Milling:
Abutment milling has been developed in partnership with abutment manufacturer in order to optimize production. It is available for metal milling and zircon milling with dedicated milling parameters. By using a combination of 5 axis drilling and milling it can produce any shapes. yenadent CAM define a simple interface with automatic features to prepare the production. You will then generate toolpath in 3 checking steps.
- Axis detection
- Automatic geometrical area recognition with high resolution milling
- Depth drilling definition
- Internal / External Hexagon
The YenaScan 3 is a compact and affordable scan and design solution that is ideal for small and medium dental laboratories. Powered by DWOS, the YenaScan 3 delivers a complete.

Flexibility, affordability and power all in one package As users needs evolve, the 3 Series can evolve with them. The scanner is compatible with most DWOS modules. The YenaScan 3 can be delivered with several pre-installed configurations, the software module is provided free of charge. All other software modules can be added when needed. This modularity provides Yenadent users with the ultimate flexibility so that labs can embrace CAD/CAM technology at their own pace.

Benefits:

“A la carte” configuration means you buy only what is needed. Being part of the digital design and manufacturing trend, with minimal capital equipment costs. Highly accurate scans within a relatively large scan volume of 90 mm x 90 mm x 90 mm. DHS enabled for optimized and secure communication with outsourcing centres. The YenaScan 3 uses the state-of-the-art multi-die scan and design capabilities (twelve copings scanned with unattended auto-margin and design generation in about ten minutes). NEW: Easy management of workflow for waxup duplication.
State-of-the-art technology solution:
The scanner’s optical measuring head is composed of two high-speed cameras and one video-assisted camera which facilitates the speed of scan previews. Optimum accuracy and versatility are achieved by reducing the triangulation angles formed between the laser and the cameras. Superior resolution is obtained by reducing the field of view of high performance, last generation CMOS cameras. The scanner has five axes of freedom which provides superior accessibility within scanning volumes. What drives

Ease of use with unprecedented performance:
The YenaScan 7 defines a whole new class of 3D scanners that delivers unprecedented performance. The system comes with pre-installed DWOS software modules which include Crown & Bridge, Implant Custom Abutment, Virtual Model Builder and the Rapid-Prototyping and Manufacturing modules. The Partial Frameworks module is a compatible add-on option.

Excellent accuracy:
The YenaScan 7 delivers excellent marginal integrity and fit on a large variety of indications from a single preparation to full arch.

Higher throughput:
The new fully automatic scan and design multi-die application produces 30 final coping designs in about 15 minutes. Moreover, once the platform is loaded, the process is completely automated. When done with the 30 designs, end users simply review the final designs as part of their normal quality control procedures and make any desired modifications required by a doctor’s prescription. No other scanner on the market is capable of this type of performance!

Large scanning volume:
The YenaScan 7 provides accurate results over a large volume (140 mm x 140 mm x 140 mm), which provides wider access for larger, fully articulated models.

Scanning versatility:
Built on the proven iSeries’s negative scanning technology combined with five axes of freedom, the YenaScan 7 has access to the widest variety of scanning materials and indications, from single to full arch preparation on positive plaster models to lower anteriors on silicone-based impressions.
We offer different kind of consumables for customer needs:

Blocks for cad cam systems:
- Zircon Wax
- PMMA
- Ceramic
- CrCo
- Model
- Titanium

Cutting tools for:
- PMMA
- Zircon Wax
- CrCo
- Titanium
- Ceramic

Special tools for abutment milling

We also offer:
- Abutment Connectors
- Abutment Screws
- Analogs

www.yenadentshop.com
FURNACES

Yenadent MOS 160 ELV:
Yenadent MOS 160 ELVMOS160 ELV developed for firing of even upto 4 unit crowns in about 2 hours, cold to cold. ELV series have a 7 inch Touch Screen monitor as standard. Included 5 dedicated programmes covering almost all firing requirements and a Custom Programme ready to be applied as required.

- Heating elements are Kanthal Super quality, MoSi2
- 160-05 will use 2 trays, 160-1 will use 4 trays
- Furnace will have 6 programme capacity, one being reserved for Custom made programme.
- ELV-MOS series have a specific facility which enables the programme to continue after power restored. You can leave the furnace working and taking care of the programme chosen even at night time. This will give you some more efficiency, managing of 4-5 cycles per day.
- A graphic display of actual programme where the details of heating curve - time vs temperature can be observed
- Operation of furnace with end user’s language. It has a capacity for 8 languages which you can choose as you like. Almost any language can be embedded so long as informed before hand
- Very ergonomic programming, simple step by step procedure
- 1600°C maximum working temperature
- 2 trays (Optional 4)
- Table top design
- 1.900 watts or 3.800 Watts Power consumption (pending on the model)
- 105mms of base diameter to easily accept 95mms OD trays
- Touch button screen under full PLC Control
- 220 Volts

Yenadent MOS 160:
- 70 - 90 copings per sintering cycle (holds 3 levels of sintering trays)
- 4 Liter inner volume (12.5 x 14 x 15 cm, W/H/D)
- Maximum Temp. 1600°C
- Programmable PID Controller with 6 steps of definition
- Upward opening lid with safety switch
- MoSi2 heating elements, placed at sides (4 pcs)
- Furnace chamber insulated with high-purity fiber insulation
- Table top construction
- 220 Volts, 60-50 Hz
SAMPLES
For further details please open www.yenadent.com

D10  D14  D15  D43  D43B  D40  D40M  DC40
Yenadent Diş. Tic. Ltd.
Keyap Çarşı G2 Blok No:122
34775 Y. Dudullu - Istanbul
Tel: +90 216 314 19 94 Fax: +90 (212) 381 76 68
E-mail: info@yena.com
www.yenadent.com