



[LC-CAST 600T]

**39 500 zł**

**NOWA - AUTOMATYCZNA ODLEWNIA INDUKCYJNA  
- LC- CAST 600T, WYPRODUKOWANA W UE ZGODNIE  
Z ZASADAMI GREEN TECHNOLOGY**

Automatyczne – kompaktowe urządzenie do odlewania indukcyjnego o wysokiej częstotliwości – z systemem odśrodkowym. Przeznaczone do odlewania Co-Cr, Ni-Cr i stopów szlachetnych. Optymalnie dostosowane: moc indukcji, czas topienia, siła odśrodkowa, płynne wyważanie i centrowanie dowolnej formy odlewniczej – optymalne, nowoczesne odlewnictwo metali. Autoryzowany serwis producenta w Polsce.



**OBCINARKA SW1200**  
na mokro i na sucho

[SWD1200]

**7500 zł**



**PIŁA DO MODELI DZIELONYCH**

[SP100]

**9 500 zł**

[ALUP0420] powiększenie 2,5x

**190,55 zł**



## MIESZADŁO MX4WN - WISZĄCE lub MX4TO- STOJĄCE

W zestawie pojemnik 500 ml.

[MX4W220N]

**5500 zł**



**POŻYCZKA MEDYCZNA  
RATY PO 3 MIESIĄCACH !**

## PIEC DO PORCELANY CERAMICMASTER E20

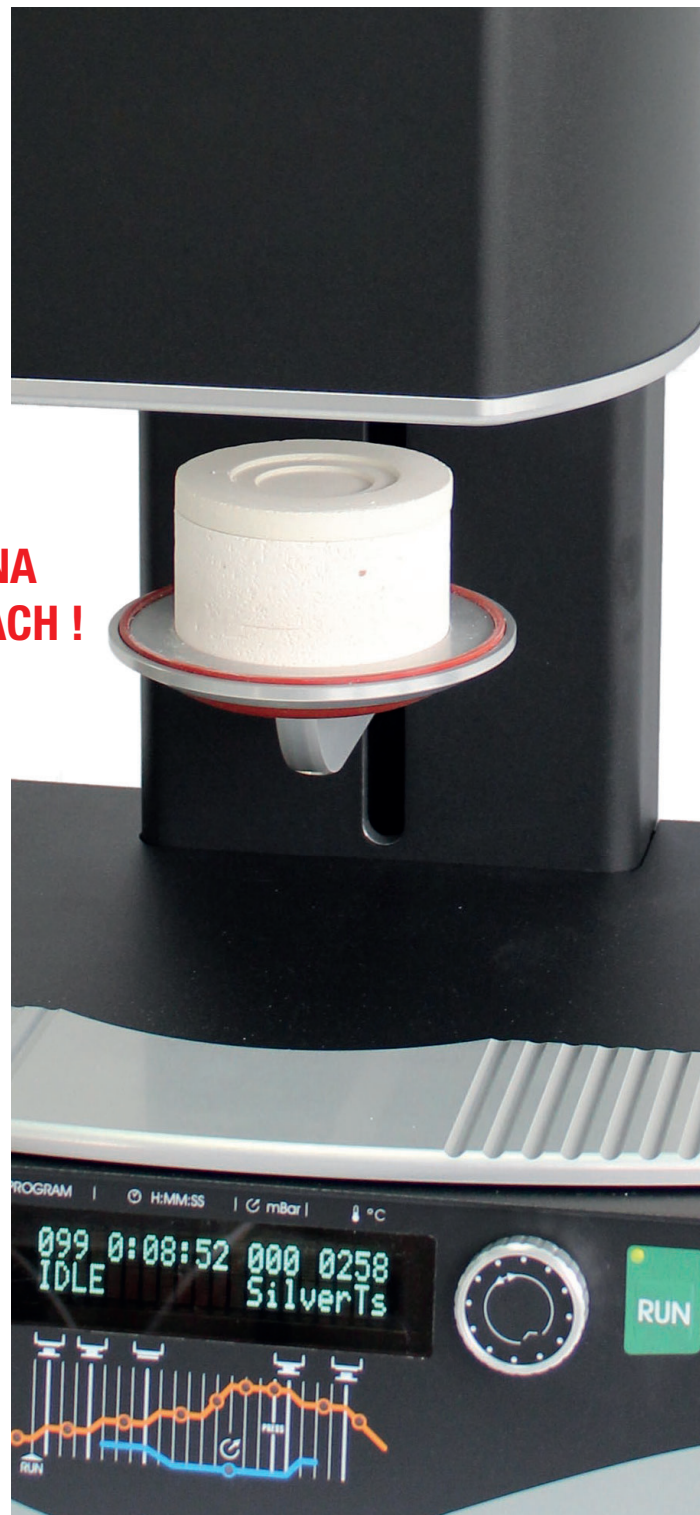
Automatyczny piec próżniowy do ceramiki dentystycznej

- przeznaczony do wszystkich rodzajów ceramiki stomatologicznej
- 201 programów operacyjnych
- w pełni kontrolowany proces - 14 parametrów do zaprogramowania (w każdym programie)
- mufla kwarcowa
- ulepszony system do samodzielnego diagnozowania i auto-kalibracji
- opcja automatycznej kontynuacji programu po krótkiej awarii zasilania
- opcja przenoszenia parametrów programu przez port USB
- opcja zdalnej analizy błędów

**Super kompaktowe wymiary!**

[CERAMICMASTER E20]

**19 000 zł**



[CERAMICMASTER PRESS]

**34 500 zł**

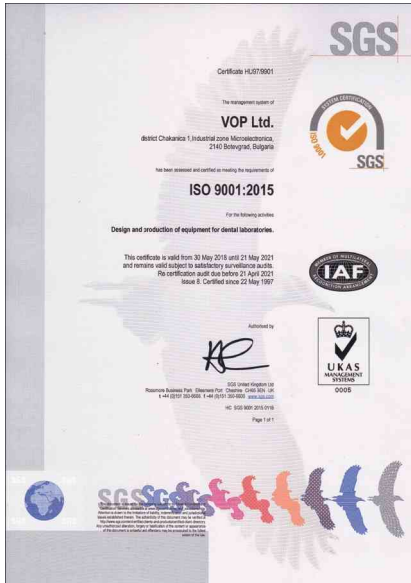


**VOP**  
DENTAL EQUIPMENT MANUFACTURING



005

Quality above all



005

1990 VOP Co is established.

1991 Obtained permission to manufacture technical equipment for Russia and Switzerland.

1992 Started production of dental laboratory equipment.

1992 Introduced the first furnace for metal ceramics on the market.

1993 Started the production of muffle furnaces.

1995 Started producing machines for centrifugal casting with HF melting of the metals.

1996 Introduced a milling machine on the market.

1997 Obtained ISO 9002 certification.

2002 Introduced furnace for press ceramics Ceramicmaster Press on the market.

2003 Transformed from VOP Co into VOP Ltd.

2003 Obtained ISO 9001:2000 certification.

2006 Developed two new machines: new casting machine LC-Cast 600A of higher quality and new model of furnace for ceramics Ceramicmaster E1000.

2006 Developed a new machine: new generation of separator for plaster moulds with laser marker SlitPrecise SP100.

2009 Obtained ISO 9001:2008 Certification.

2011 Introduced a new machine: wet and dry polymerization unit Poly AM.

2012 Developed a new machine: Programmable dental furnace for sintering of zirconium ZirconMaster S

2015 Developed a new machine: table top casting machine LC-Cast 600T.

2016 Introduced a new model of furnace for ceramics Ceramicmaster E20.

2016 Mr. Nikolay Vatsov became an Executive Manager.

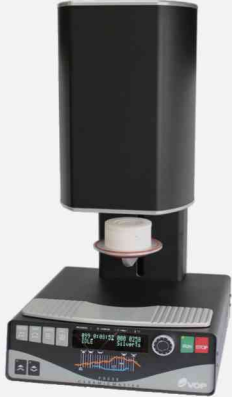
2017 Introduced a new model of furnace for ceramics Ceramicmaster E3000.

2018 Obtained ISO 9001:2015 Certification.

2018 Trade mark registration

2019 Introduced new model furnace for press ceramics Ceramicmaster Press PRO

2019 Introduced new model pressure polymerization unit Poly MAX



# Ceramicmaster Press PRO

NEW

Automatic programmable dental furnace for metal, pure and press ceramics

- designed for all type of dental metal, pure and press ceramics
- no need of compressor for the pressing process
- auto calibration of the temperature
- 255 individual programs are available
- optional increase of number of the programs up to 400 is available
- completely controlled process - programmable parameters in every program
- improved system of self-diagnostics and auto calibration
- 7" TFT display with protective tempered glass
- sensor buttons
- graphical display of processes progress
- heater with heating element in a quartz spiral tube
- Pt/Ro thermocouple
- automatic continuation of the program after short power breakdown
- USB transfer of programs parameters
- remote analysis of damage:
- accessories:

- isolation press table Ref. № 122000022
- ceramic insert 100 g ring Ref. № 122000023
- ceramic insert 200 g ring Ref. № 122000023
- isolation table Ref. № 122000025
- firing tray Ref. № 122000026
- pins Ref. № 122000027
- vacuum pump PVD50 Ref. № 033000000

	Technical data
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption Furnace with vacuum pump	1700 W
Vacuum pump data Suction capacity	> 22 l/min
Vacuum	Up to 0,96 bar
Maximum firing temperature	1200°C
Firing chamber dimensions	∅ 95 mm, h 60 mm
Dimensions W/D/H	260x370x750 mm
Weight	24,2 kg



Ref. № 126000000

# Ceramicmaster Press

Programmable dental furnace for metal, pure and press ceramics

- designed for all type of dental metal, pure and press ceramics
- no need of compressor for the pressing process
- 100 operating programmes
- completely controlled process of firing
- improved system of self-diagnostics
- auto calibration of the temperature
- quartz muffle
- accessories:

- isolation press table Ref. № 122000022
- ceramic insert 100 g ring Ref. № 122000023
- ceramic insert 200 g ring Ref. № 122000023
- isolation table Ref. № 122000025
- firing tray Ref. № 122000026
- pins Ref. № 122000027
- vacuum pump PVM122 Ref. № 032000000

	Technical data
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption Furnace with vacuum pump	1700 W
Vacuum pump data Suction capacity	22 l/min
Adjustable vacuum	from 0,1 to 0,92 bar
Maximum firing temperature	1200°C
Firing chamber dimensions	∅ 95 mm, h 60 mm
Dimensions W/D/H	370x380x740 mm
Weight	30 kg



Ref. № 122000000

**NEW**

# Ceramicmaster E3000

Automatic programmable dental furnace for metal and pure ceramics

- designed for all available types of dental metal ceramics
- 255 individual programs
- completely controlled process - programmable parameters in every program
- improved system of self-diagnostics and auto calibration
- 7" TFT display with protective tempered glass
- sensor buttons
- graphical display of processes progress
- heater with heating element in a quartz spiral tube
- Pt/Ro thermocouple
- automatic continuation of the program after short power breakdown
- USB transfer of programs parameters
- remote analysis of damage
- accessories:
  - isolation table Ref. № 122000025
  - firing tray Ref. № 122000026
  - pins Ref. № 122000027
- vacuum pump PVD50 Ref. № 033000000

	Technical data
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	
Furnace with vacuum pump	1500 W
Furnace without vacuum pump	1350 W
Vacuum pump data	
Suction capacity	>22 l/min
Vacuum	Up to 0,96 bar
Maximum firing temperature	1200°C
Firing chamber dimensions	∅ 95 mm, h 60 mm
Dimensions	
W/D/H	260x370x565 mm
Weight	21 kg



Ref. № 123000000

# Ceramicmaster E1000

Programmable dental furnace for metal and pure ceramics

- designed for all type of dental metal and pure ceramics
- 100 operating programs
- completely controlled process of firing
- improved system of self-diagnostics
- auto calibration of the temperature
- quartz muffle
- accessories:
  - isolation table Ref. № 122000025
  - firing tray Ref. № 122000026
  - pins Ref. № 122000027
- vacuum pump PVM122 Ref. № 032000000

	Technical data
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	
Furnace with vacuum pump	1700 W
Vacuum pump data	
Suction capacity	22 l/min
Adjustable vacuum	from 0,1 to 0,92 bar
Maximum firing temperature	1200°C
Firing chamber dimensions	∅ 95 mm, h 60 mm
Dimensions	
W/D/H	370x380x580 mm
Weight	27 kg



Ref. № 211000000

# Ceramicmaster E20

Automatic programmable vacuum furnace for dental ceramics.

- designed for all available types of dental metal ceramics
- 201 operating programs
- completely controlled process - 14 programmable parameters in every program: name, idle temperature, dry temperature, pre drying time, drying time, firing, first cooling time, second cooling time, vacuum control
- improved system of self-diagnostics and auto calibration
- multifunctional handle easy for operation
- a quartz muffle
- an option for automatic continuation of the program after short power breakdown
- an option for transfer of program parameters on USB
- an option for remote analysis of damage
- accessories:
  - isolation table Ref. № 122000025
  - firing tray Ref. № 122000026
  - pins Ref. № 122000027
- vacuum pump PVM122 Ref. № 032000000

Technical data	
Power supply	~230 V ±10%, 50/60 Hz
Power consumption	
Furnace with vacuum pump	1700 W
Furnace without vacuum pump	1550 W
Vacuum pump data	
Suction capacity	22 l/min
Adjustable vacuum	from 0,1 to 0,92 bar
Maximum firing temperature	1200°C
Firing chamber dimensions	∅ 95 mm, h 60 mm
Dimensions (W/D/H)	265/370/565 mm
Weight	24 kg



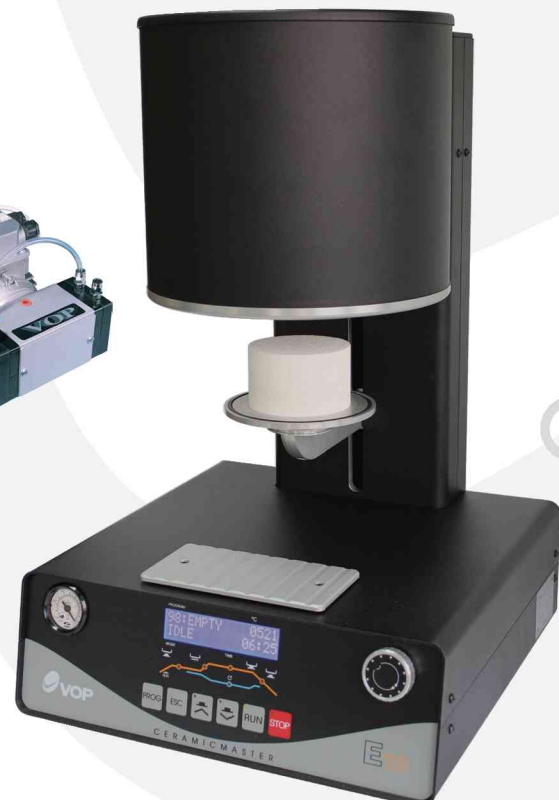
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# Ceramicmaster E10

Programmable dental furnace for metal ceramics

- designed for all type of dental metal and pure ceramics
- 100 operating programs
- completely controlled process of firing
- improved system of self-diagnostics
- auto calibration of the temperature
- quartz muffle
- accessories:
  - isolation table Ref. № 122000025
  - firing tray Ref. № 122000026
  - pins Ref. № 122000027
- vacuum pump PVM122 Ref. № 032000000

Technical data	
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	
Furnace with vacuum pump	1700 W
Vacuum pump data	
Suction capacity	22 l/min
Adjustable vacuum	from 0,1 to 0,92 bar
Maximum firing temperature	1150°C
Firing chamber dimensions	∅ 95 mm, h 60 mm
Dimensions	
W/D/H	370x380x580 mm
Weight	26 kg



Ref. № 244000000



## Programmable dental furnace for sintering of ZnO<sub>2</sub>

- designed for all type of dental of ZnO<sub>2</sub>
- 10 operating programs
- fast temperature increase
- controlled cooling process
- high quality MoSi<sub>2</sub> heating elements
- low energy consumption during main firing stage
- accessories:
  - tray GTS Ref. № 234000001
  - tray AG Ref. № 234000002
  - pearls AG Ref. № 234000003
  - pearls Noritake Ref. № 234000004
  - gripper tray Ref. № 234000005
  - isolation table bottom Ref. № 234020301
  - isolation table top Ref. № 234020302

Technical data	
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption nom / max	1650 W /2500W
Firing chamber dimensions	120x120x100
Maximum firing temperature	1600°C
Dimensions	
W/D/H	420x400x870 mm
Weight	60 kg



Ref. № 234000000

## Dental milling unit

- milling of both wax and dental alloys
- precise milling and drilling
- possibility to be used as a Parallelometer
- electromagnetic fixation of the working table
- accessories:
  - tools starting set Ref. № 080000001
  - table Ref. № 086030000

Technical data	
Power supply	230 V ±10%, 50 Hz
Power consumption	140 W
Micromotor 3M160-2 type	brushless
power output	160 W
speed	from 450 to 30000 rpm
reverse	yes
Working zone	
Y axis movement	75 mm
Z axis movement	30 mm
Φ axis rotation	360°C
Vertical travel of executive mechanism	70 mm
Dimensions	
W/D/H	245x340x520 mm
Weight	18 kg



Ref. № 080000000

# LC-Cast 60A

Semi-automatic dental casting unit with high frequency induction melting and centrifugal casting

- designed for casting of dental Co-Cr, Ni-Cr and precious alloys
- autonomic cooling system
- robust
- accessories:
  - crucible tray Ref. № 062000035
  - ring gripper Ref. № 062000037
  - crucible Ref. № 062000038
  - silicon ring №2 Ref. № 062000039
  - silicon ring №3 Ref. № 062000040
  - silicon ring №4 Ref. № 062000041
  - graphite insert Ref. № 062000042



Technical data	
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	3 kW
Minimum alloy quantity in the crucible	7 g
Maximum alloy quantity in the crucible	80 g
Crucible type for dental alloys	ceramic crucible
Crucible type for precious alloys	ceramic crucible with graphite insert
Maximum time for fully melting of 30 g dental alloy	60 s
Cooling	autonomous distilled water cooling
HF power setting for melting	manual
Motor acceleration setting	manual
Casting	manual
Dimensions	
W/D/H	620x660x1060 mm
Weight	130 kg



Ref. № 061000000

# LC-Cast 600A

Automatic dental casting unit with high frequency induction melting and centrifugal casting

- designed for casting of dental Co-Cr, Ni-Cr and precious alloys
- both manual and automatic mode of melting
- automatic maintenance of optimum power
- autonomic cooling system
- accessories:
  - crucible tray Ref. № 062000035
  - ring gripper Ref. № 062000037
  - crucible Ref. № 062000038
  - silicon ring №2 Ref. № 062000039
  - silicon ring №3 Ref. № 062000040
  - silicon ring №4 Ref. № 062000041
  - graphite insert Ref. № 062000042



Technical data	
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	3 kW
Minimum alloy quantity in the crucible	7 g
Maximum alloy quantity in the crucible	80 g
Crucible type for dental alloys	ceramic crucible
Crucible type for precious alloys	ceramic crucible with graphite insert
Maximum time for fully melting of 30 g dental alloy	60 s
Cooling	autonomous distilled water cooling
HF power setting for melting	automatic/manual
Motor acceleration setting	manual
Casting	automatic
Dimensions	
W/D/H	620x620x1060 mm
Weight	135 kg



Ref. № 062000000

Automatic tabletop dental casting unit with high frequency induction melting and centrifugal casting.

- designed for casting of dental Co-Cr, Ni-Cr and precious alloys
- tabletop design
- both manual and automatic mode of melting
- automatic maintenance of optimum power
- automatic casting mode
- autonomic cooling system
- accessories:
  - crucible tray Ref. № 062000035
  - ring gripper Ref. № 062000037
  - crucible Ref. № 062000038
  - silicon ring №2 Ref. № 062000039
  - silicon ring №3 Ref. № 062000040
  - silicon ring №4 Ref. № 062000041
  - graphite insert Ref. № 062000042



Ref. № 080000000

Technical data	
Power supply	110/230V~, ±10%, 50/60Hz
Power consumption	2500 W
Minimum alloy quantity in the crucible	7 g
Maximum alloy quantity in the crucible	80 g
Crucible type for dental alloy	sceramic crucible
Crucible type for precious alloys	ceramic crucible, with graphite insert
Maximum time for fully melting of 30 g dental alloy	285 s
Maximum time for fully melting of 30 g dental alloy	60 s
Cooling	autonomous, distilled water cooling
HF power setting for melting	automatic
Motor acceleration setting	manual
Casting	automatic
Dimensions W/D/H	564x620x540 mm
Weight	75 kg

Preheating oven for casting rings and wax evaporation

- 10 +1 user programs
- 5 temperature zones
- casting in vacuum/argon atmosphere
- automatic parameter control
- postponed start up to 90 h
- automatic control of steam extractor
- working with shock investment
- accessories:
  - steam extractor Ref. № 058000000
  - ceramic trays set Ref. № 054000013



Ref. № 054000000

Technical data	
Power supply	230 V ±10%, 50 Hz
Power consumption	2000 W
Maximum firing temperature	1100°C
Maximum program duration	100 h
Temperature speed of increase between the zones	from 1°C/min to 10°C/min
Firing chamber dimensions W/D/H	180/100/170 mm
Dimensions	
W/D/H	360x400x360 mm
Weight	28 kg

## Wet and dry pressure polymerization unit

- polymerization unit for wet and dry polymerization
- completely automatic process
- two stage polymerization
- microprocessor control of the temperature and polymerization time
- suitable for all types of flasks
- a whole articulator can be put in the unit chamber

• accessories:

- sealing ring
- metal filter

Ref. № 041010013

Ref. № 041010018



Technical data	
Power supply	230 V ± 10%, 50 Hz
Power consumption	1220 W
Working chamber internal dimensions	Φ225 mm, H168 mm
Chamber volume	6,5 l
Maximum working pressure	6 bar
Programmable working pressure	from 40 up to 125°C
Programmable time for polymerization	from 1 to 99 min
Dimensions	
W/D/H	390x450x340 mm
Weight	28,7 kg



Ref. № 123000000

# Poly AM

## Wet and dry pressure polymerization unit

- polymerization unit for wet and dry polymerization
- completely automatic process
- two stage polymerization
- microprocessor control of the temperature and polymerization time
- stainless steel chamber

• accessories:

- sealing ring
- metal filter
- basket Coltene
- basket A.gree

Ref. № 041010013

Ref. № 041010018

Ref. № 041010300

Ref. № 041010400



Technical data	
Power supply	230 V ±10%, 50 Hz
Power consumption	1220 W
Working chamber internal dimensions	Φ 140 mm, H 145 mm
Chamber volume	1,5 l
Maximum working pressure	6 bar
Programmable working pressure	from 40 up to 125°C
Programmable time for polymerization	from 1 to 99 min
Dimensions	
W/D/H	315x350x260 mm
Weight	13 kg



Ref. № 041000000

## SlitPrecise SP100 ●●●

### New generation of model saw for plaster models

- laser guidance of the cutting
- cutting from the bottom up
- connection to aspiration unit is possible
- specialized safety system during cutting operation
- accessories:
  - diamond disk DFS Ref. № 110000001
  - diamond disk Nuova Ref. № 110000002



Ref. № 110000000



Technical data	
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	200 W
Maximum revolutions	10000 rpm
Maximum depth of the cut	26,5 mm 12 mm
Width of the cut	0,3 mm
Diamond cutting disk	Φ85xΦ16x0,3
Laser	class
Dimensions	
W/D/H	290x320x170 mm
Weight	10 kg

## PinPrecise PP100 ●●●

### Pin drilling unit

- drill revolution regulation
- automatic switch on system
- compact and ergonomic
- dust reduction system
- accessories:
  - pin system Ref. № 100000032
  - drill Ref. № 100000033



Ref. № 100000000



Technical data	
Power supply	110/230 V ±10%, 50/60 Hz
Power consumption	100 W
Maximum drill revolutions	4000 rpm
Collet diameter	∅ 3 mm
Drilling depth	12 mm
Laser	class 3 max 5 mW
Dimensions	
W/D/H	157x410x160 mm
Weight	5 kg



Zamówienia: Lek.dent. 695 344 355, tech.dent. 600 919 111  
konsultacje 697 139 158, szkolenia 664 937 256

[holtrade.pl](http://holtrade.pl)

