

**TONTARRA**  
MEDIZINTECHNIK GMBH



Morzellator Set for the morcellation and extraction of tissue as well as for removal of myomes and the uterus at laparoscopic procedures in surgery and gynaecology.

**TONTARRA** Medizintechnik GmbH  
Surgical Instruments in Demand

**MORZELLATOR**  
for minimal invasive surgery

## ■ Morzellation with various instruments



### Morzellation with Protection Sleeve

At the Hysterectomy in laparoscopic surgery the Morzellator is inserted into the abdominal cavity with the filling rod in the protection sleeve.

After removing the filling rod, the cutting tube is inserted. To expose the Cutting Tube to the tissue that has to be removed, the protection sleeve has to be unlocked from the Non-cut-position by holding the transmission unit with one hand and performing a counter movement of the protection sleeve with the other hand.



**640-500-00**  
**Morzellator Set, consisting of:**



**640-500-10**  
**Transmission Unit**

**640-500-11**  
**Electronic motor 21**  
 Brushless electronic motor with 3 m of cable length, autoclavable, delivers its torque in a quiet and smooth manner.



**640-500-14**  
**Ergonomic Handle bar**  
 to attach to the Transmission Unit and to function also as a heat absorber for waste heat of the electronic motor.



**640-500-16**  
**VarioCarve control unit, power cord 3 m**  
 (Power cord is delivered country specific)

**■ System Synopsis**

**Vario pedal, IP 68**  
**Art. No. 640-500-18**



Consisting of ►



**640-500-20**  
**Gasket Unit, complete**  
 Gasket Unit with Gasket Holder. The Gasket Holder fixes the cutting tube to the Transmission Unit and the Membrane Clasp fixes the Membrane Gaskets air tight to the Gasket Holder.

**Gasket Holder**

**Cross Gasket for all Cutting Tube diameters.**  
 1 piece

**Membrane Gasket for Cutting Tubes**  
 1 piece Ø 12 mm\*  
 1 piece Ø 15/20 mm\*

**Membrane Clasp for Cutting Tubes**

\*Shaft diameter of instrument

## ■ System Synopsis



### Protection Sleeve with Filling Rod

The Morzellator system is built up of instruments with 3 different diameters to fit to a broad range of applications. With the aid of the filling rod the Morzellator system is ushered into the abdomen through a small opening in abdominal wall. After taking out the filling rod, the cutting tube is inserted and cleared by the locking mechanism to touch the tissue not before the cut can be performed. Protection sleeves with their corresponding filling rod are available with diameters of 12, 15 and 20 mm as single units.

### Cutting Tube (Blade)

Through transmission unit and protection sleeve inserted cutting tubes are connected to the drivetrain by snapping in of the cams of the cutting tubes into the notches of the transmission unit.



■ Additional instruments

Myoma Drill

587-205-32	Ø 5.0 mm, FL 330 mm
587-205-42	Ø 5.0 mm, FL 420 mm
587-210-33	Ø 10.0 mm, FL 330 mm
587-210-42	Ø 10.0 mm, FL 420 mm



587-220-05  
Tenaculum forceps,  
non-detachable

Ø 5.0 mm, FL 420 mm



587-220-10  
Claw forceps,  
non-detachable

Ø 10.0 mm, FL 420 mm



587-225-10  
Tenaculum forceps,  
non-detachable

Ø 10.0 mm, FL 420 mm



■ Spare Parts



**640-500-20**

**Gasket Unit, complete**

Gasket Unit with Gasket Holder. The Gasket Holder fixes the cutting tube to the Transmission Unit and the Membrane Clasp fixes the Membrane Gaskets air tight to the Gasket Holder.

**Gasket Holder**

**Cross Gasket for all Cutting Tube diameters.**  
1 piece

**Membrane Gasket for Cutting Tubes**  
1 piece Ø 12 mm\*  
1 piece Ø 15/20 mm\*

**Membrane Clasp for Cutting Tubes**

\*Shaft diameter of instrument



**640-500-22**

**Cross Gasket for all Cutting Tube diameters.**  
1 piece

**640-500-25**

**Membrane Gasket for Cutting Tubes**  
1 piece Ø 12 mm\*

\*Shaft diameter of instrument

**640-500-24**

**Membrane Gasket for Cutting Tubes**  
1 piece Ø 15/20 mm\*

\*Shaft diameter of instrument

Art. No.	Description	Quantity
	Operation manual on CD-ROM	1
640-500-52*	Nozzle for NouClean Spray for maintenance and care of Electronicmotor 21	1
640-500-54*	Nozzle for NouClean Spray for maintenance and care of Transmission Unit	1
	*In line with regulations pertaining to hazardous materials, NouClean Spray may not be delivered together with the control unit and must be ordered separately. It can be ordered in every Service Center worldwide.	

## ■ Technical data

Type:	??? (Vario Carve)
Mains voltage:	100/115/230 Volt at 50 – 60 Hz
Power consumption:	60 VA
Max. torque, motor:	6 Ncm
Motor coupling:	Intra coupling ISO 3964
Motor cable length:	3 m
Speed range, Morzellator	50 – 1000 rpm
Dimensions control unit, Width/depth/height:	120/180/107 mm
Weight control unit:	1.8 kg
Controls:	Control unit and Vario pedal



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