



Your Vision, Our Future

OLYMPUS MEDICAL SYSTEMS CORP.

**Headquarters**

Shinjuku Monolith, 3-1 Nishi-Shinjuku 2-chome, Shinjuku-ku,  
Tokyo 163-0914 Japan

**Technology Research Institutes**

2951 Ishikawa-machi, Hachioji-shi, Tokyo 192-8507 Japan  
2-3 Kuboyama-cho, Hachioji-shi, Tokyo 192-8512 Japan

1<sup>st</sup> July, 2013

**To whomsoever it may concern**

**Sub: Proprietary Article Certificate for Thunderbeat**

Dear Sir,

This is to certify & confirm that the Thunderbeat (Model ESG-400, USG-400 and its accessories) which delivers Ultrasonic and High Frequency energy in one single Hand piece / Probe, products are being solely manufactured by Olympus Medical Systems Corporation, Japan / Germany having its manufacturing factory in Japan and Germany are proprietary items of Olympus. No company in the world is manufacturing such items as of now.

Thanking you,

**For Olympus Medical Systems India Pvt. Ltd.,**

Authorized Signatory

Hironobu Kawano  
General Manager,  
Asia Pacific Sales Marketing Department,  
Olympus Medical Systems CORP.



## Technical Specification of Thunder beat

M/s Olympus Medical in the field of energy – Thunder beat through this letter in your reputed hospital.

This latest energy platform from Olympus is an “all in one” Surgical Tissue Management System.

This platform offers 5 energies – Monopolar, Bipolar (with underwater saline resection-TURP+TCRE), advanced bipolar, ultrasonic and simultaneously – ultrasonic with advanced bipolar (Thunder beat).

This is world's first and till date only fully integrated Bipolar and Ultrasonic technology. It guarantees Rapid Cutting and Reliable 7 mm Vessel Sealing from a Single Surgical Instrument (available for both Lap and Open surgery). The shears come in different sizes to suite the surgical requirement (10, 20, 35 and 45 cm). There are provisions for both hand and foot activation in Thunder beat. This platform offers all the monopolar and bipolar modes available with any electrosurgical platform available in the market.

Thunder beat (ultrasonic with advanced bipolar) provides the following advantages :

1. Dual energy helps to cut and seal faster thereby reduces operating time.
2. Thunderbeat shear has wiper jaws which provides secure grasping through the entire length of the 'jaw' including the 'tip' of the jaw, thus allowing superior handling of tissue during surgery.
3. The 16 mm jaw length (longer than most in the market) helps to grip more tissue at a time and hence facilitates faster cutting.
4. The jaw opening of 16 mm (widest in the market) helps to create larger window while dissecting.
5. Ergonomic handpiece does not create fatigue during long surgeries.
6. The Thunderbeat shear works as a true multifunctional instrument – as a grasper, dissector, scissor (dual energy – Seal & Cut mode) and vessel sealant (adv bipolar – Seal mode). Thereby it reduces the need for several instrument exchange during surgery. In the long run this adds up to saving operating time.

Surgeons using Thunderbeat had opined that they are able to do more number of surgeries as they felt this dual technology was around 25% faster than any other technology in the market. As Thunderbeat provides dual energy from the same shears, it reduces cost, since the hospital does not have to buy a separate Ultrasonic and a separate Vessel Sealing shear.

STMS platform offers you superior technology at an economic and affordable price.

In the STMS platform the surgeon has the luxury of using only ultrasonic energy (Sonicbeat – USG400), only mono/bipolar energy or under water cutting (ESG400) and Thunderbeat (ESG400 + USG400)

Please find attached our product literature of STMS platform (ESG400 + USG400).

Currently this is a proprietary offering from M/s Olympus and leading institutions like AIIMS new delhi has purchased it on proprietary basis. Other leading hospitals like Apollo Chennai, Fortis and all other leading lap surgeons are using it .



Serene Towers, 4th Floor, 8-2-623/A  
Road No. 10, Banjara Hills  
Hyderabad-500 034  
INDIA

**HEALTH  
WARE**  
PRIVATE LIMITED

E-mail: [info@healthwareindia.com](mailto:info@healthwareindia.com)  
Website: [www.healthwareindia.com](http://www.healthwareindia.com)

Tel: +91 (40) 23318224  
Fax: +91 (40) 23318227

Date: 11<sup>th</sup> February 2016

To,  
The Director,  
Regional Institute of Medical Science,  
Imphal Manipur.

**Sub- Introduction and Quotation for all in one Energy System - Thunderbeat.**

Respected Sir,

We take this opportunity to introduce the latest offering from M/s Olympus Medical in the field of energy – Thunderbeat through this letter in your reputed hospital.

This latest energy platform from Olympus is an "all in one" Surgical Tissue Management System.

This platform offers 5 energies – all monopolar including neuro modes, bipolar (with underwater saline resection- TURP+TCRE), advanced bipolar, ultrasonic and simultaneously – ultrasonic with advanced bipolar (Thunder beat).

This is world's first and till date only fully integrated Bipolar and Ultrasonic technology. It guarantees Rapid Cutting and Reliable 7 mm Vessel Sealing from a Single Surgical Instrument (available for both Lap and Open surgery). The shears come in different sizes to suite the surgical requirement (10, 20, 35 and 45 cm). There are provisions for both hand and foot activation in Thunderbeat. This platform offers all the monopolar and bipolar modes available with any electrosurgical platform available in the market.

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In the STMS platform the surgeon has the luxury of using only ultrasonic energy (Sonic beat –USG400), only mono/bipolar energy or under water cutting (ESG400) and Thunderbeat (ESG400 + USG400)

Please find attached our quotation and product literature of STMS platform (ESG400 + USG400).

Currently this is a proprietary offering from M/s Olympus and leading institutions like AIIMS new delhi has purchased it on proprietary basis. Other leading hospitals like Apollo Chennai, Fortis and all other leading lap surgeons are using it.

All the dept like Gyn, Urology, Surgery can use it.....along with the monopolar uses for all other surgical fraternities.

With the addition of the Bipolar Resection set the urologists and Gyn people and use the bipolar underwater work and also can add the transducer and footswitch shears only ultrasonic as well.

NEWDELHI • KOLKATA • MUMBAI • CHENNAI • BANGALORE • THIRUVANANTHAPURAM

 <b>DornierMedTech</b> ESWL	 <b>CYRUS ACMI</b> ENDOSCOPES	 <b>EMS</b> ELECTRO MEDICAL SYSTEMS SWISS LITHOCLAST	 <b>SQ</b> LASERS	 <b>SURGICAL ULTRASOUND</b>	 <b>GAMBRO</b> CRRT, LIVER SUPPORT
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Serene Towers, 4th Floor, 8-2-623/A  
Road No.10, Banjara Hills  
Hyderabad-500 034  
INDIA

**HEALTH  
WARE**  
PRIVATE LIMITED

E-mail: info@healthwareindia.com  
Website: www.healthwareindia.com

Tel: +91 (40) 23318224  
Fax: +91 (40) 23318227

**Quotation:**

Code	Description	Qty	Rate (Rs)
ESG400	Electro surgical unit (with foot switch)	1	Inclusive
USG400	Ultrasonic generator	1	Inclusive
MAJ1876	Docking fixtre	1	In clusive
MAJ1871	Communication cable (short)	1	Inclusive
Indigenous	Energy cart	1	Inclusive
TDTB400	Transducer for Thunderbeat	1	Inclusive
MAJ1870	Foot switch for Thunderbeat	1	Inclusive
TB 0535PC	Thunderbeat shear 5mm,35cm.	5	Inclusive
TB0520IC	Thunderbeat Shear for Open surgery, 20 cm	5	Inclusive
Total Price including tax			25,34,507/-

**TERMS AND CONDITIONS:**

**PRICES**

Price Quoted is firm in Indian Rupees on F.O.R Hospital Site.

The above-mentioned prices do not include Octroi, or any tax levied by the State and/ or Central Government and/ or municipality.

Road permit to be provided by the buyer.

CST as shown

**VALIDITY**

Our offer would be valid for 60 days from the date of this offer.

**ORDERING PROCEDURE**

Your order should be placed on us at the following address:

**Healthware Private Limited**  
4<sup>th</sup> Floor Serene Towers,  
8-2-623/A, Road No. 10, Banjara Hills,  
Hyderabad - 500034

Manufacturer's Name: Olympus Medical Systems

**PAYMENT TERMS**

100% advance by Demand Draft drawn in favour of us, HEALTHWARE PRIVATE LIMITED

**DELIVERY**

6-8 weeks from the date of receipt of confirmed order along with the payment.

**WARRANTY**

Equipment with the exception of consumables, is warranted against defective workmanship and material for period of 60 months from the date of supply. This warranty does not cover defects arising from damage by incompetent use, failure to provide and maintain suitable operating environment, normal wear and tear and failure to follow explicitly the instructions specified. Equipment proving defective within the warranty period will be repaired.. The decision to replace or repair the equipment rests solely with the company.

**FORCE MAJEURE**

We shall not be liable for loss or damage due to delay in manufacture, delivery or installation resulting from any cause beyond our reasonable control including but not limited to compliance with any regulation's orders or instructions of any central, state or municipal Government or any department or agency thereof, acts of God, acts or omissions of the Purchaser, including but not limited to failure to comply with recommended operating parameters and norms, acts of civil or military authority, fires, strikes, or factory shutdown, or alterations, embargos, war, riots, terrorism, delays in

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 <b>DornierMedTech</b> ESWL	 <b>CYRUS ACMI</b> ENDOSCOPES	 <b>EMS</b> ELECTRO MEDICAL SYSTEMS SWISS LITHOCLAST	 <b>SQ</b> LASERS	 <b>SURGICAL ULTRASOUND</b>	 <b>GAMBRO</b> CRRT, LIVER SUPPORT
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transportation or inability due to causes beyond our reasonable control to obtain necessary manufacturing facilities or materials from our as usual sources, and any delays resulting from any such cause shall extend delivery dates correspondingly.

For Healthware Private Limited



Indroneil Mukherjee  
Branch Manager.  
Cell. 09874600594

**HEALTH  
WARE**  
PRIVATE LIMITED

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 **DornierMedTech**  
ESWL

 **CYRUS ACMI**  
ENDOSCOPES

**EMS**  
ELECTRO MEDICAL SYSTEMS  
SWISS LITHOCLAST

 **LSQ**  
LASERS

 **SURGICAL ULTRASOUND**

 **GAMBRO**  
CRRT, LIVER SUPPORT

Date: 10th Sept 2014

Ref: OMSI/14-15/672

**TO WHOM SO EVER IT MAY CONCERN**

**Sub: Authorization Certificate**

Dear Sir/Madam,

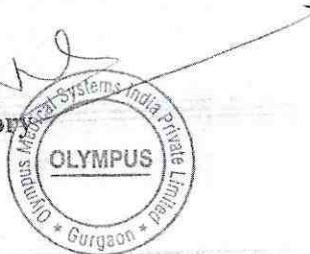
We Olympus Medical Systems India Pvt. Ltd. having our registered office at 102-B, First Floor, Time Tower, M.G. Road, Gurgaon – 122001, Haryana, is 100% subsidiary of Olympus Corporation of Asia Pacific limited. We do hereby certify that **M/s. Healthware Private Limited, having their registered office at Serene Towers, 4<sup>th</sup> Floor, 8-2-623/A, Road No.10, Banjara Hills, Hyderabad – 500034**, are the sole authorized representatives for the following products manufactured by Olympus Corporation of Asia Pacific limited.

1. Urology Products
2. Surgical Products – Laparoscopy & Gynecology
3. ENT Products (In South and West Region of India)

No other company or firm or individual other than M/s. Healthware Private Limited are authorized to bid, negotiate and conclude the contract in regards to above mentioned range of products manufactured in the entire territory of India until unless specified by us.

This authorization is valid till 31st March 2016.

**For Olympus Medical Systems India Private Limited**

Authorized Signatory 

Date : 11<sup>th</sup> February 2016

To,  
The Director,  
Regional Institute of Medical Sciences,  
Imphal.

Sub. : Authorization Letter.

Ref. : 01/Proprietary/E/RIMS-16 dated 11<sup>th</sup> February 2016

Dear Sir,

We M/s Healthware Pvt Ltd, Hyderabad, in our capacity as an authorised dealer of M/s Olympus Medical , Gurgaon India, do hereby authorize M/s. Langol Chemist and Druggist Agency, Rims South Gate, Imphal – 795001 to supply the equipment as per PAC notice as mentioned above with the same price and terms as per our quotation dated 11.02.2016.

We request you to raise your order on M/s Langol Chemist and Druggist and they will raise their bills and challan against this supply directly. The after sales service will be given by M/s Olympus Medical System directly as like for other machines installed in the institute.

Thanking you,

Yours faithfully,

For Healthware Pvt Ltd



Healthware Private Limited

Serene Towers, 4th Floor, 8-2-623/A, Road No. 10, Banjara Hills, Hyderabad-500 034, India  
Tel: +91 40 2331 8224 Fax +91 40 2331 8227 www.healthwareindia.com

CIN: U24232AP1996PTC025938

HYDERABAD | NEW DELHI | MUMBAI | CHENNAI | KOLKATA | BENGALURU | KOCHI | AHMEDABAD | JAIPUR | CHANDIGARH



OLYMPUS

EMS



bk medical



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**OLYMPUS**

Your Vision, Our Future

**THUNDERBEAT**

**THE WORLD'S FIRST FULLY-INTEGRATED  
BIPOLAR AND ULTRASONIC TECHNOLOGY**

**Rapid cutting and reliable 7 mm vessel sealing from a single surgical instrument.**





# INTEGRATED BIPOLAR AND ULTRASONIC ENERGY FROM A SINGLE VERSATILE INSTRUMENT

## The THUNDERBEAT difference

THUNDERBEAT is the world's FIRST integration of both advanced bipolar and ultrasonic energies delivered simultaneously from a single, versatile instrument. This integration delivers the widely recognised benefits of each individual energy; the ability to rapidly cut tissue with ultrasonic energy, and the ability to create reliable vessel seals with bipolar energy. THUNDERBEAT features two handle types and four working lengths to meet a variety of surgeons' procedural preferences.

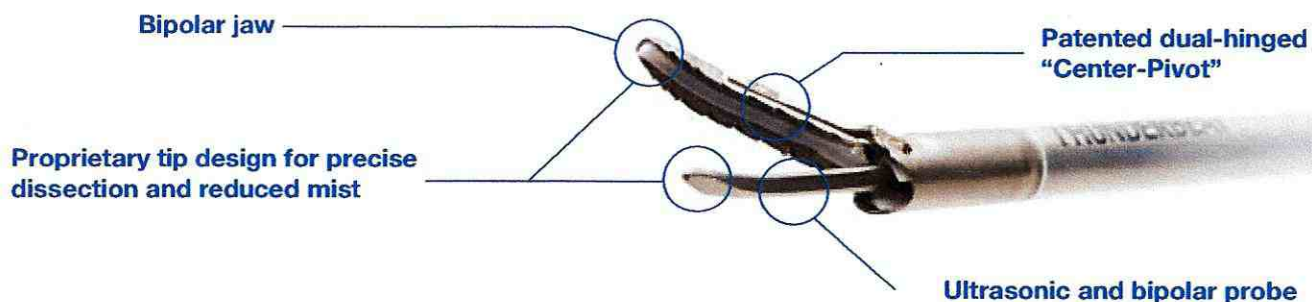
## The benefits of both advanced bipolar and ultrasonic energies to provide unprecedented versatility:

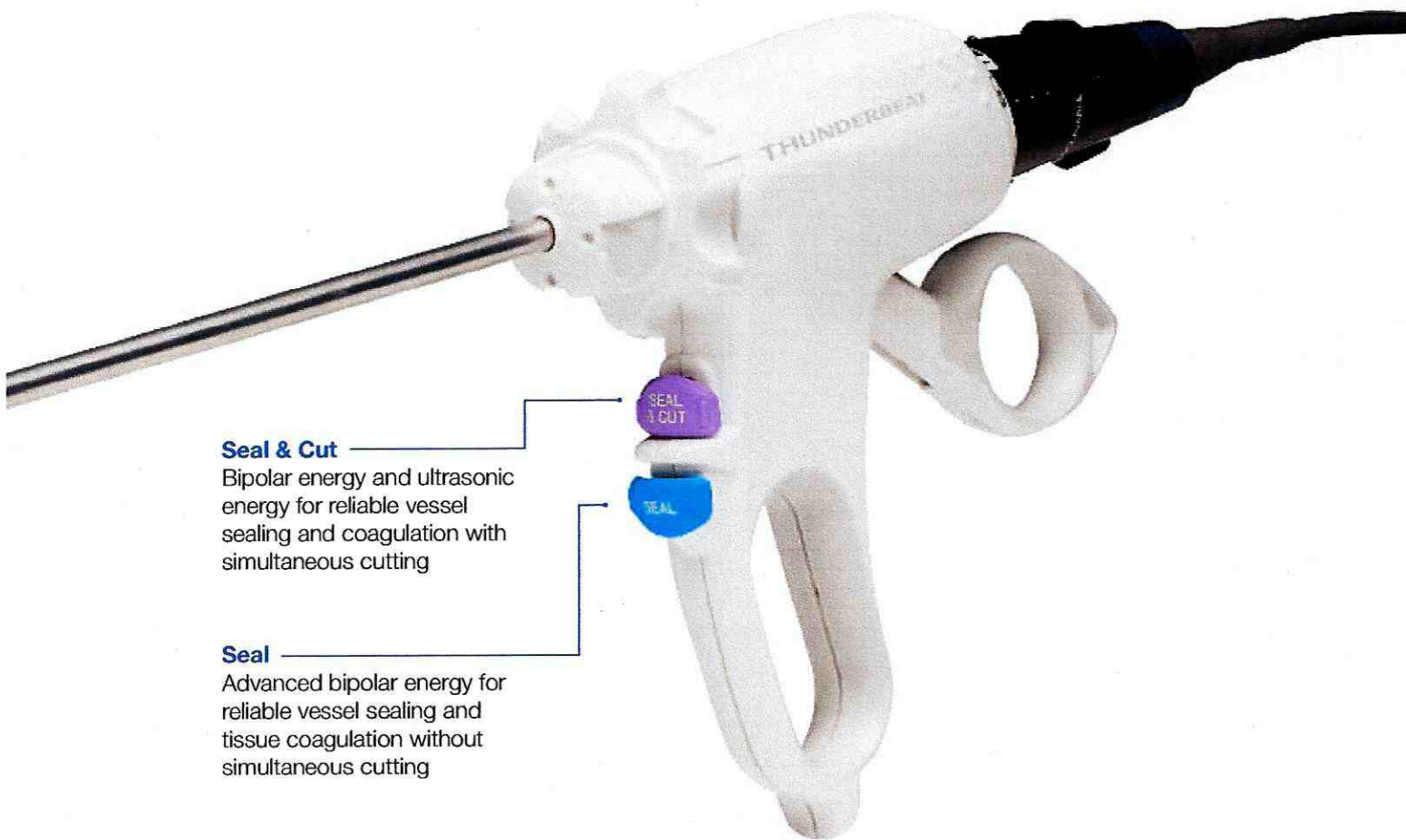
- reliable 7 mm vessel sealing
- minimal thermal spread
- fastest-in-class cutting
- reduced mist generation for improved visibility
- precise dissection with fine jaw design
- fewer instrument exchanges



## Revolutionary jaw design

THUNDERBEAT devices feature a patented center-pivot jaw design that facilitates precise dissection and generates less mist, improving visibility. This design evenly distributes closing pressures independent of tissue thickness or type producing consistently superior vessel seals and higher grasping and dissecting forces.





**Seal & Cut**

Bipolar energy and ultrasonic energy for reliable vessel sealing and coagulation with simultaneous cutting

**Seal**

Advanced bipolar energy for reliable vessel sealing and tissue coagulation without simultaneous cutting

**THUNDERBEAT**

## Generators and accessories

<b>WB91051W</b>	<b>ESG-400</b>	Electrosurgical generator
<b>N3808660</b>	<b>USG-400</b>	Ultrasonic generator
<b>N3635730</b>	<b>TC-E400</b>	Energy cart
<b>N3808760</b>	<b>TD-TB400</b>	Transducer for THUNDERBEAT
<b>N3809230</b>	<b>MAJ-1870</b>	Footswitch for THUNDERBEAT
<b>N3809330</b>	<b>MAJ-1871</b>	Communication cable — short
<b>N3809430</b>	<b>MAJ-1872*</b>	Communication cable — long
<b>N3809530</b>	<b>MAJ-1873*</b>	Adapter for the connection to UHI-2 or UHI-3 insufflator
<b>N3809630</b>	<b>MAJ-1876</b>	Docking fixture

\*Required for the automatic mist and smoke evacuation function

## THUNDERBEAT

## THUNDERBEAT handpieces

<b>N3810330</b>	<b>TB-0545PC</b>	THUNDERBEAT 5 mm, 45 cm, Pistol Grip
<b>N3810430</b>	<b>TB-0535PC</b>	THUNDERBEAT 5 mm, 35 cm, Pistol Grip
<b>N3810530</b>	<b>TB-0545IC</b>	THUNDERBEAT 5 mm, 45 cm, Inline Grip
<b>N3810630</b>	<b>TB-0535IC</b>	THUNDERBEAT 5 mm, 35 cm, Inline Grip
<b>N3810730</b>	<b>TB-0520IC</b>	THUNDERBEAT 5 mm, 20 cm, Inline Grip
<b>N3810830</b>	<b>TB-0510IC</b>	THUNDERBEAT 5 mm, 10 cm, Inline Grip

## THUNDERBEAT



Pistol handle



Inline handle



EPF-1 surgical tissue management system

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

# OLYMPUS

**OLYMPUS EUROPA HOLDING GMBH**

Postfach 10 49 08, 20034 Hamburg, Germany  
Wendenstrasse 14-18, 20097 Hamburg, Germany  
Phone: +49 (0)40 237 730, Fax: +49 (0)40 230 761  
[www.olympus-europa.com](http://www.olympus-europa.com)