

## TO WHO IT MAY CONCERNS

RE: PROPRIETARY CERTIFICATE MEEK

Borne, The Netherlands 28 oktober 2015.

Hereby we declare that Humeca B.V. with its residence at Oostermat 5, 7623 CS, Borne, The Netherlands, is the only producer and supplier of the MEEK cutting machines (motor and hand driven) and the pre folded sterile gauzes in the world.

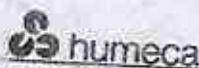
The MEEK technique is a unique technique of skin transplantation of autografts with a maximum expansion ratio of 1:9 and which has huge advantages in relation to the traditional meshgraft technique. The MEEK technique is a life saving technique for especially severe burn patients.

The Uniqueness of the equipment includes the following:

- Up to 50% more coverage of burned surface area obtained in one surgery
- Very small donor sites required (about half of meshgraft)
- Actual expansion ratio equals the given expansion ratio
- High graft take
- Faster epithelialization
- Suitable for poor wound conditions
- Less surgery and hospitalization stay = lower cost!!
- Prefolded gauze help expansion of the grafts in ratios 1:3, 1:4, 1:6 and 1:9
- Robust re usable equipment requiring minimal maintenance and can be sterilized.
- Tenthhs of thousands of patients have been treated successfully
- Introduction 1993

On behalf of Humeca

Monique Broer  
Operationeel Manager



Oostermat 5, 7623 CS Borne, The Netherlands  
Tel: +31-74-727 1001 / Fax: +31-74-727 1002  
info@humeca.com / www.humeca.com

Seen for the authentication of the signature of

born in ..... on 17-01-2015  
by me, Mr. Seine Harold Patrick Huiskes,  
civil-law notary practising in Enschede  
The undersigned bears no responsibility for the  
contents of the document in question.  
Signed in ..... 28-10-2015



## TECHNOMED (INDIA) PRIVATE LIMITED

REGD. OFFICE : H-107, SHIVAJI PARK, PUNJABI BAGH, NEW DELHI-110026  
Phone : 91-11-25225931, 25221950 • Fax : 91-11-25221057 e-mail : info@technomed.net  
Visit our website : www.technomed.net

REF NO: QUT/TECH/23/2016-17

Dated: 10.05.2016

To  
The Director  
Regional Institute of Medical Sciences  
**Imphal-795001**

### **SUB: SUBMISSION OF QUOTATION FOR HUMECA MEEK CUTTING MACHINE (HAND DRIVEN)**

Dear Sir,

In reference to your query, we are herewith submitting you quotation for **HUMECA MEEK**

#### **HUMECA MEEK FEATURES :-**

- (a.) Very small donorsites.
  - (b.) Large expansion ratio(up to 1:9) possible.
  - (c.) Any small skin fragments can be used; no long Strips required.
  - (d.) Grafts islands are close together in a regular pattern, Resulting in fast and uniform epithelialization.
  - (e.) All graft islands are correctly oriented(dermal side down) on the wound bed, resulting in excellent graft take
  - (f.) Failure of a few islands does not affect the overall graft take.
  - (g.) Cosmetic results are comparable with meshgrafts of a lower expansion.
  - (h.) Grafts adhere to a fabric and are therefore very easy to manipulate when applying Them to the wound.
- Rs. 10,75,000/-**  
(Rs. Ten lakh seventy five thousand only)

The Product is manufactured by **HUMECA, NETHERLAND**. We hope you will find the details satisfactory.

#### **COMPLETE SET INCLUDES (MAIN EQUIPMENT) :**

- 3. SHD – MEEK hand drive set
- 3.HD/CYL- MEEK cutting machine, hand driven(cylindrical model) w/o cutting block
- 3.CB02- MEEK double cutting block with two cork holders.
- 3.KN13/38- MEEK cutting axis with 13 ceramic coated circular blades, diameter 38mm.
- 3.SW01- MEEK serrated wedge(cam)
- 2.JG598- STERILIT oil for surgical instruments, bottle 50ml





**Technomed**

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Visit our website : www.technomed.net

### **ACCESSORIES:**

- 2.3/10- MEEK micrograft gauze, expansion 1:3, with cork plate, box 10 pcs
- 2.4/10- MEEK micrograft gauze, expansion 1:4, with cork plate, box 10 pcs
- 2.6/10- MEEK micrograft gauze, expansion 1:6, with cork plate, box 10 pcs
- 2.9/10- MEEK micrograft gauze, expansion 1:9, with cork plate, box 10 pcs
- 2.9190- MEEK adhesive , spray bottle 20ml.
- 3.MAC02- MEEK sterilization case 434\*254\*172mm
- 3.MAC03- MEEK autoclave case for blades axis.

### **TERMS & CONDITIONS:**

1. 100% advance payment of the confirmation.
2. Warranty 1 year
3. 5 % CST Tax & other taxes extra as applicable as per state rule.

**Thanks & Regards**

**For TECHNOMED (INDIA) PVT. LTD.,**

**Deepak Sapra**

**(Director)**

**(M) 9811085980**

# Humecad

Skin Transplantation Technology

## SKIN TRANSPLANTATION

gives people a second chance



### Innovative products in the field of burn surgery

MEEK Micrografting

Cordless dermatomes & blades

Meshers & V-Carriers

Cost-effective devices

Skin stretcher



Humeca was established in 1981 in The Netherlands and is an innovative specialist in skin grafting technology. In particular in the field of burns surgery. Our products are used daily in more than 70 countries worldwide. We work together with 52 specialized local dealers and deal with hospitals and burn centers directly.

With our revolutionary products, we provide medical experts with materials and equipment for optimum treatment of their patients and offer them the highest level of support and service. Humeca is an ISO and CE certified company. The focus and ambition to help every burn victim worldwide is important to be the leading burn specialist in the world.

#### **Vision**

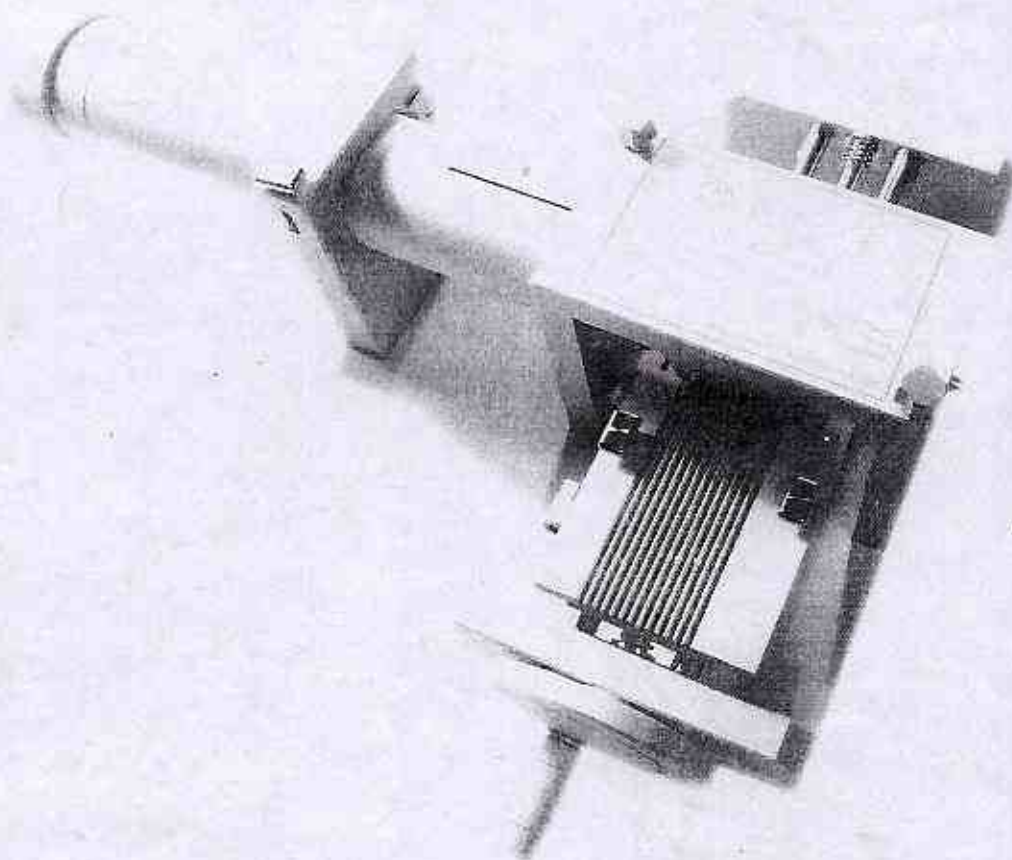
Provide medical experts with materials and equipment for the optimum treatment of their patients. And offer these patients the chance on a renewed life where the quality of life has improved in comparison with a treatment with existing technologies.

#### **Mission**

Humeca has the focus and ambition to help every burn victim in the world. Therefore we develop innovative products and make them available for all doctors worldwide.

## In this brochure

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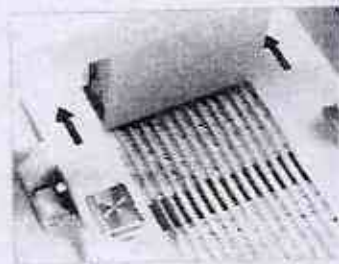
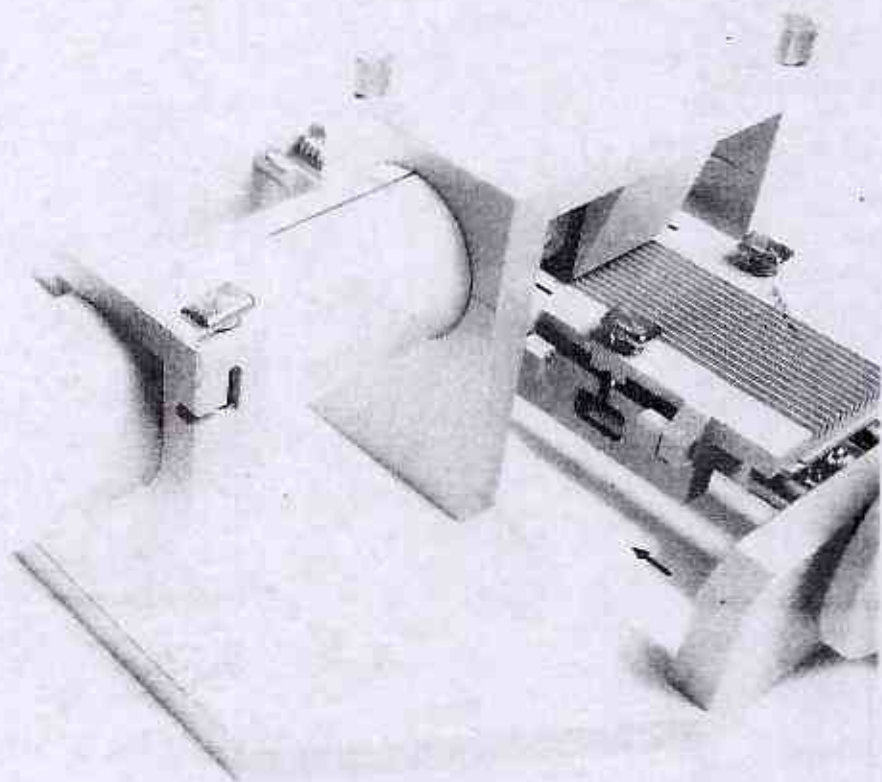




# MEEK Micrografting

*a magical method that save lives*

Every doctor will admit, burn wound treatment involves multiple challenges. There is a great risk of infections and poor epithelialization and the lack of autograft donor sites is a limiting factor in achieving wound closure in cases of extensive skin defects.



Current mesh graft techniques cannot meet the requirements which are needed to treat the patient in a best way. Therefore, in cooperation with surgeons of the burn center of the Red Cross Hospital Beverwijk, The Netherlands, Humeca re-designed and modernized the MEEK technique. Originally, the MEEK technique was described by Mr. Cicero Parker Meek from the University of South Carolina Aiken (USCA), USA in 1958. However, this original technique required too much skill and it became eclipsed by the introduction of mesh skin grafts by Tanner et al. in 1964 and was eventually discontinued. In the early 1990's two surgeons from the Red Cross Hospital Beverwijk, in The Netherlands approached Humeca and asked for help in re-introducing a modified meek technique. After much engineering and re-design the modified meek technique was finalized and released in 1993. Since then, the modernized MEEK technique has been sold to more than 300 burn centers worldwide and there have been numerous publications written supporting its use.

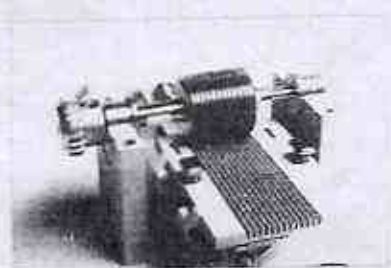
Our unique MEEK technique is reported to be superior to other grafting methods. Imperfections of the original method were overcome and the prefolded gauzes are now manufactured with expansion ratios 1:3, 1:4, 1:6 and 1:9. The clinical results are excellent, even in problematic zones and in case of inferior wound beds. The method appears to be a simple technique to achieve a regular distribution of postage stamp grafts, correctly orientated to the surface of the wound.

#### Unique MEEK features

- Very small donor sites required;
- Large expansion ratios, up to 1:9, possible;
- Any small skin fragments can be used so no precious donor skin is wasted;
- Fast and uniform epithelialization due to close graft islands;
- Excellent graft take due to correctly orientated graft islands;
- Failure of a few islands does not affect overall graft take;
- Cosmetic results comparable with mesh grafts of a lower expansion;
- Grafts very easy to manipulate.

MEEK Micrograft is more than a product. It is a unique technique where research shows that burn wounds are closing twice as fast as with the Meshgraft, there is a significant decrease of infections.

Currently MEEK is mainly used for patients that suffer more than 30% TBSA burns. However MEEK is also very suitable for patients with 5% - 20% TBSA burns. In most cases, 40 - 50% less donor sites have to be used and these same donor sites could be used again within two weeks.





Justification for buying HUMECA MEEK MICROGRAFTING Machine.

1. Department of Plastic Surgery admits large number of patients with burns.
2. Some patients have very large percentage of body surface area burnt, leaving very less donor area to harvest split skin grafts.
3. Conventional skin graft knives are not designed to harvest very small skin grafts.
4. HUMECA MEEK MICROGRAFTING machine is specialised to harvest very small skin grafts.
5. Its use can prove life- saving in patients with extensive burns.