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WELCOME

ON

**P&O International Pvt. Ltd.**

Artificial Limb Center







## Bionic Hand

### KALARM

Kalarm is an affordable light weight bionic articulated strong hand that can operate with 18 grip patterns along with 6 customised grips.

#Wrist joint can rotate passively.

#Anti electromagnetic interference & non disturbance (cellphone, high volume sound).

#Fine articulated fingers with touch screen function.

Wrist joint can rotate passively.

Anti electromagnetic interference & non disturbance (cellphone, high volume sound).

Waterproofing function is optional

Suitable for Disarticulation of wrist, long, middle, short stump of arm.

# EMG Signal / Double Electrode

Switch Control System Single/ Double Switch

Pull Switch System

Launching voice command



## ROBO MYO

### MYO-ELECTRIC

Oy Motion is an affordable light weight bionic articulated strong hand that can operate with upto 18 grip patterns

Fully Open & Close Time: 0.8 seconds.

Weight 500g Only

Five Linear Actuators Embedded

- Independent Finger Control
- Control Circuit Fully Embedded



## Intelligent Bionic Hand

# Cosmetic Restoration

With Osseointegration Implant

## Finger Prosthesis

Before Prosthesis



After Prosthesis

## Ear Implant

Before Prosthesis



After Prosthesis

Partial Ear



Partial Nose



Hand Glove



Partial Foot



After



Thumb Implant

Before





# KNEE Joints

**Streifeneder**  
ortho production



## 3A15

- # monocentric
- # including extension assist 21440



## 3A17

- # Monocentric
- # With lock and spring extension assist



## 3A20

- #Polycentric
- #With integrated extension assist



## 3A21

- # Polycentric
- # For knee disarticulation
- # With mechanical extension assist



## 3A1000

- # Like 3A850, but without locking mechanism
- # Knee stability even when walking on an inclined plane
- # Very smooth-running, therefore low expenditure of energy for the patient



## 3A1800

- # Pneumatic swing phase control by means of the adjustable pneumatic twin-chamber
- # Extension support using an integrated extension assist spring
- # Mechanical stance phase safety provided by polycentric technology



## 3A810

- # Pneumatic extension impact absorption for optimal wearing comfort
- # Knee certitude even when walking at angular levels
- # Easy adjustment via screws and brakes



## 3A2500

- # Adjustable hydraulic end position damping for optimal wearing comfort
- # Adaption to the walking speed
- # Shortened leg during swing phase by polycentric knee joint construction

# KNEE Joints

- # Pneumatic swing phase control
- # Adjustable to pinpoint accuracy
- # Adjustable extension assist for swing phase control
- # Designed for child's AK and knee-disarticulation amputee



**C-TK-4POC MINI 4 Bar Child's Pneumatic Knee**

- # Used high strength alloy material
- # Adjustable hyperextension stop design
- # Adjustable extension assistance for swing phase control
- # High efficiency pneumatic system



**HY-STAN 4 BAR PNEUMATIC KNEE**

- # 4-bar polycentric knee with manual lock
- # Can be manually locked and unlocked by patient
- # Locking system can be fully unlocked to regain normal motion



**Hy-Stan 4-Bar Knee with Manual Lock**

- # Used high strength alloy material
- # High efficiency pneumatic cylinder system
- # Separate flexion and extension resistance adjustment design



**RAYOME 4 BAR PNEUMATIC KNEE**

- # Used high strength alloy material
- # Adjustable hyperextension stop design
- # High efficiency hydraulic cylinder system
- # Separate flexion and extension resistance adjustment design



**X60 HYDRAULIC, POLYCENTRIC KNEE**

- # Max. 20 degrees adjustable lamination
- # Spring loaded mechanism
- # Pre-bent lamination plate



**HY-STAN HIP JOINT**

**Walking resistances setting**  
The resistances of the knee joint for three walking conditions (slow, natural, fast walking) are set by the PC program in the auto-mode,



**V One MICROPROCESSOR-CONTROLLED KNEE**

- # Programmable: Custom knee resistances can be programmed easily by software
- # Programmable resistance control works with the knees five-bar mechanical to provide 0-15° in stance
- # Flexion resistance and the extension assist can be adjusted



**Aplib Microprocessor Knee**



# KNEE Joints

## 3A40

- # for trans-femoral amputees
- # with lower functional level
- # high stance phase stability



## 3R80

- # Activity Level K3, K4
- # Maximum Body Weight 330 lbs (150 kg)
- # Material Aluminum
- # Proximal Connection Pyramid Adapter
- # Maximum Knee Flexion Angle 150 degrees
- # Knee Center to Proximal Connection 63 mm
- # Product Weight 1.240 g (2.73 lbs)



## Aspire P1

- # Actuation time can be adjusted to suit the user's wishes
- # Individually adjustable swing phase for a harmonious gait
- # Higher ground clearance for a safer and more confident gait
- # Very acute flexion angle for more freedom of movement



## OHP3

- # Individually adjustable swing phase for a harmonious gait
- # Simple modification of the socket connector
- # More freedom of movement and high comfort in wear
- # Kneecap provides additional protection both the knee and clothing



## OP4

- # Braking behavior can be adjusted to suit the user
- # Individually adjustable swing phase
- # Highly acute flexion angle for more freedom of movement
- # Kneecap provides additional protection for both the knee and clothing



## Aspire H1

- # Swing control adjustment using a pneumatic system
- # Adjustable stance flexion with IKF adapter
- # Low build height, useful for long trans-femoral limbs or knee disarticulation
- # 30mm (13/16") pylon adaptability
- # High knee flexion angle up to 150



## MAUCH KNEE

- # Single axis hydraulic knee system with swing and stance contro (SNS®). Designed for multi-speed ambulation
- # Durable and secure motion.
- # Ultra-durable Aluminum frame.
- # Roller bearings at knee axis and cylinder attachment points for smooth action.
- # Yielding stance control.
- # Mode selector switch allows manual locking and free swing functions.
- # Smooth profile assists with cosmetic finishing



## CAPITAL KNEE

- # 5 Year Warranty
- # Weight Limit: 330lbs/150kg
- # Total Flexion: 130 Degrees
- # Overall Height: 9in/230mm
- # Dome to Knee Center: .67in/17mm
- # Weight: 980 g (34mm Tube Clamp), 990 g (Pyramid)
- # Distal Attachment: Pyramid Receiver or 34mm Tube Clamp



# PROSTHETIC FOOT



## Aspire

The Aspire Foot features a carbon blade with a dynamic heel and smooth rollover. It features a sandal toe for a widerange of footwear, including flipflops. A closed foot cover and its low build height make it a convenient universal fit.



## Assure

- # Assure is an ideal first prosthesis, or a more permanent option for low active users. Designed specifically for slower walkers,
- # Flex-Foot Assure incorporates an active heel combined with a full-length keel that work together to protect the vulnerable sound limb.



## Pro-Flex XC

Pro-Flex XC has been developed to comfortably accommodate the relatively active user, who enjoys hiking and jogging, as well as level-ground walking.

Pro-Flex XC is rated Waterproof, which means it is fully resistant to both chlorine and salt water submersion.



## Cheetah

Cheetah Xplore is a crossover foot prosthesis inspired by the original Cheetah design.

Although primarily designed for everyday use, Cheetah Xplore allows the user to engage in various sports and activities.

The foot combines high energy return and dynamic push-off with increased balance and stability when compare to standard energy storing feet, supporting amputees with an active lifestyle



## Dynamic Foot

- # Modern foot shells are also made from similar materials to what we are using and are manufacturing using similar processes to ours.



## Chopart

- # 100% carbon keel designed for flexibility and durability
- # Includes a 10mm heel height for compatibility with standard Flex-Foot shells and low-heel shoes



## GERMANY

## Go Smart

- # Pneumatic extension impact absorbtion for optimal wearing comfort
- # Knee certitude even when walking at angular levels
- # Easy adjustment via screws and brakes



## Go Free

- # Pneumatic extension impact absorbtion for optimal wearing comfort
- # Knee certitude even when walking at angular levels
- # Easy adjustment via screws and brakes





# PROSTHETIC FOOT



## LARA

Lara Carbon Foot is especially recommended for above, below knee and hip amputation patients who are very active and under 125 kgs. Due to its design, Lara offers many advantages for daily use for the users with Mobility degree 3 and 4. Nothing stands in the way of sporting activities such as tennis, which subjects the user to greater impact stress. The Lara also allows for comfortable and energy saving walking during the daily challenges at work and at home



## ASYA

Asya Carbon Foot for Children is a carbon foot prosthesis with an integrated male connection pyramid, designed for use in children patients with above-knee, below-knee, and hip amputations. Due to its carbon fiber plate and split nose design, it offers the patient a safe and aesthetic walking opportunity. Recommended for prosthetic users with mobility grades 3 and 4. It comes with a piece of stocking and a carbon foot shell



## Javelin Foot

The Javelin prosthetic foot offers the Level 3 user good energy response over a range of low to moderate impact sports and activities. Its blade style design is lightweight and ideal for variable cadence walking and allows a good cosmetic finish.



## Force Foot

The Javelin prosthetic foot offers the Level 3 user good energy response over a range of low to moderate impact sports and activities. Its blade style design is lightweight and ideal for variable cadence walking and allows a good cosmetic finish.



# SYMES & BELOW KNEE PROSTHESIS

## SYMES PROSTHESIS

It is used for the amputation level from the ankle joint may be the weight bearing or non-weight bearing. It's a typical and difficult design of amputation and very common.



## BELOW KNEE PROSTHESIS

Below knee is the commonest amputation which comes under lot of level of amputations from below the knee. This type of amputation is commonly happened in trauma, burns, vascular and diabetic problem.



# KNEE DISART & ABOVE KNEE PROSTHESIS

## KNEE DISARTICULATION PROSTHESIS

Knee disart is the amputation once the knee joint is not available. It is also be commonest, we have to integrate the knee joints as per the amputation stump available.



## ABOVE KNEE PROSTHESIS

ABOVE KNEE AMPUTATION IS VERY COMMON THOSE ARE HAVING ACCIDENT, VASCULAR (GANGRENE), TUMOR, CANCER DIABETIC ETC.





# HIP DISARTICULATION PROSTHESIS

**Hip disarticulation amputation with prosthesis is not very common but we may provide in the cases of amputation cause by tumor, serious accidental injury, trauma etc.**





# P&O International Pvt. Ltd.

## ARTIFICIAL LIMB CENTRE



### OUR CLINICAL CENTERS

**DELHI : O-46, NEAR VINOBA PURI METRO STATION,  
GATE NO-1, BEHIND IMPERIAL HOTEL,  
LAJPAT NAGAR II, NEW DELHI, DELHI 110024**

**GUGUGRAM : PLOT 555, OPPOSITE MEDANTA  
MEDICITY HOSPITAL, SECTOR 39,  
GURUGRAM, HARYANA 122003**

**PATNA (BIHAR) : SAIDA NAGAR COLONY, PHULWARI  
SHARIF, PATNA, BIHAR 801507**

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