

# SYNSYS

MICROPROCESSOR FULL-LEG SYSTEM



## AN ENTIRELY NEW ANGLE

Only SYNSYS microprocessor full-leg system offers **triple flexion movements**, unlocking entirely new experiences.



PDAC  
VERIFIED

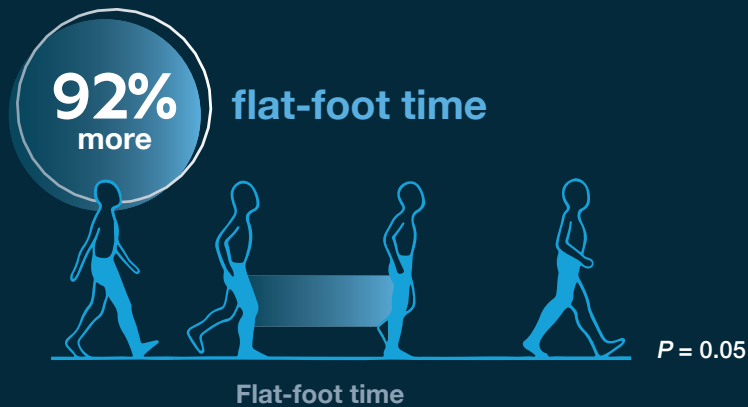


## SAFETY FROM A CLINICAL ANGLE

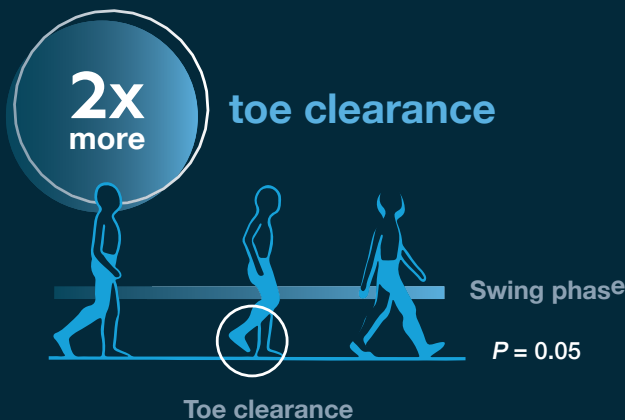
### Key findings from a prospective, multicenter, randomized, and cross-over study

Subjects reported that SYNSYS significantly improved daily life—and provided enhanced stability, safety, and quality of life—after > 4 weeks of use as compared to > 4 weeks of use with their usual prosthesis.

**SYNSYS demonstrated greater stability with longer flat foot time while walking\***



**SYNSYS was more secure with greater toe clearance\***



**SYNSYS enhanced quality of life<sup>†</sup>**



Better social functioning<sup>†</sup>  
 $P = 0.048$



Better Physical functioning<sup>†</sup>  
 $P = 0.034$



Better rated residual limb health >80<sup>‡</sup>

**CONCLUSION:** SYNSYS significantly improves daily life, provides functional benefits close to a natural gait, and enhances stability and security.

\*Requena, C et al. (2023, September 18). Increased of stability and security in transfemoral amputees with a knee-ankle synergistic system. Presented at ESMAC. Athens, Greece.

<sup>†</sup>Findings from SF-36 Quality of Life Questionnaire.

<sup>‡</sup>Findings from Prosthesis Evaluation Questionnaire.

# SYNSYS

MICROPROCESSOR FULL-LEG SYSTEM

## AN ENTIRELY NEW ANGLE INSPIRED BY YOU

More motion. Less difficulty walking on uneven terrain and up and down slopes. These are important needs PROTEOR identified in survey of the amputee community.\* Your input inspired us to create SYNSYS, a microprocessor full-leg system that offers an entirely new angle on performance for low to moderate K3 activity levels. From this angle, the future is inspiring.

SYNSYS is the **only full-leg system** to offer hip-knee-ankle **triple flexion**, unlocking new experiences with the greatest ankle range of motion available.

TRIPLE  
FLEXION



reddot award  
product design 2023

\* PROTEOR survey of 330 amputees, T1 2021.

†Requena, C et al. (2023, September 18). Increased of stability and security in transfemoral amputees with a knee-ankle synergistic system. Presented at ESMAC. Athens, Greece.

42°  
ANKLE  
— ROM —



## AN ENTIRELY NEW ANGLE ON:



### MOTION

Only SYNSYS provides triple flexion with 125° knee flexion and 42° ankle ROM to move freely like never imagined

### STABILITY



92% more flat-foot time for greater stability and 2X more toe clearance for optimal security†

### LIFE



Greater confidence with more shoe options, longer battery life, and ease while walking

### More motion

- **Intuitively walk downstairs** without fear of falling - with the full foot flat on the step.



### More shoe options

- Preset up to **10 different heel heights**, from bare feet to ~2 inches.



### Maximum flexion

- Natural hip-knee-ankle triple flexion **allow users to squat and bend down with ease.**



## Participate in life more

- Rejoin more activities with increased mobility, comfort, vibrance, and energy.



**10-DAY**  
BATTERY LIFE

## Greater independence

- 10+ days of battery life.

**2X**  
MORE TOE  
CLEARANCE



## Improved physical confidence

- Removes the fear of falling with **greater toe clearance** and the unique **stumble recovery assistance**.



## TECH SPECS

### SYNSYS MPC Full-Leg System Part Number

1P700LEG (pyramid): Full-leg system including foot shell and 3-year warranty.

*PROTEOR will provide free certification that is required before ordering independently.*

Knee Flexion	125°
Ankle ROM	42° (20° dorsiflexion / 22° plantarflexion)
Knee-to-ground Height	16.9" to 21.7" (430 to 550mm)
Max Patient Weight	275lbs (125kg)
Product Weight	7.1lbs (3.2kg)
Activity Level	Low to moderate K3
Battery	>10 days depending on activity. Complete recharge time of 6 hours
Warranty and Servicing	36 months with service at 24 months
Extended Warranty and Servicing	+ 36 months with servicing at 48 months
Proximal Connector	Pyramid
CP Programming	iPad Pro 12.9-inch (5th generation), Windows 10 and 11
Patient App	iOS and Android
Foot Sizes	23cm to 30cm
Footshell Colors	Light, Medium, or Black

Foot category indication chart based on patient's weight and activity

Activity level	45-59kg 99-130lbs	60-74kg 131-163lbs	75-89kg 164-196lbs	90-104kg 197-229lbs	105-125kg 230-275lbs
Normal	1	2	3	4	5
High	2	3	4	5	

## ACCESSORIES

Description	Part Number	Included	Quantity	Sold Separately
Protection Cover (23 colors + 1 customizable (by user))	11P700218-[...]-S	Yes	1	Yes
Power Supply Kit	1P700234-S	Yes	1	Yes
On/Off Tool	1P700132-S	Yes	1	Yes
Flexion Stops	1P700204 (105° to 120°)	Yes	4	No

L-code L5828, L5856, L5845, L5848, L5973, L5850, L5925



Learn how SYNSYS is transforming lower limb prosthetics

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