



- ✓ Gain Maximum Production Flexibility
- ✓ Increase & Expand Business Opportunities
- ✓ Access Cutting-Edge ARPP® Software
- ✓ Connect with 70+ O&P References

# ORTIS

The O&P Market's Leading Orthopedic Carving Robot



## ORTIS™ User Testimonials



Shawn Bright, CO CEO  
HiTek Limb and Brace

“The Roboticom Carver has been a win in every direction for us. We have experienced an increase in work capacity, product consistency and general sales while decreasing our production time and labor input. Combine all of these benefits with a ROI of 12-24 months and the Roboticom 7-Axis Carver is a game changer!”

Vincent Benenati, CEO  
East Coast Orthotic & Prosthetics

“This investment in technology has helped us tremendously. Our costs of production went down and instead of making one brace every few hours, we now make five.”

Eric Eisenberg, M.S. CPO  
Biotech Limb & Brace

“The 7-axis ORTIS™ carver is a real workhorse! The versatility of the system has allowed us to do many things in our practice with CAD/CAM that I previously did not think possible.”

# ORTIS



ORTIS™ Advanced Applications

Local **U.S.** Based Sales & Technical Support



**AFOs, KAFOs, Helmets, Corsets,  
Sockets, Seatings, Mattresses and More!**

ORTIS™ is a robotic carving system designed for the orthopedic Market and used to produce custom-made prosthetic and orthotic models (positive and negative). ORTIS™ can quickly and easily carve any 3D shape to your specifications in polyurethane, plaster, resin, plastic, foam, wood and other light materials. With a simple software interface and a small footprint you can increase the speed, quality and consistency of your orthotic and prosthetic production while decreasing cost.



Our proprietary in-house software ARPP® is the only all-in-one software specifically designed for the O&P market.

ARPP® All-In-One Software

### Client Benefits



#### Benefit: Custom Made to Order Solutions

Continual Dedication to Innovation

ORTIS™ was developed in 2006 by a multi-disciplinary team of engineers, software developers and robotics experts who continue to exchange ideas and technology to create innovative products.

We deliver scalable solutions to meet any O&P production need.



#### Benefit: Lower Maintenance Costs

Reliability and Durability

Our rigid QC process and 10 years of positive customer feedback on the ORTIS™ robotic arms, software and components ensures that you will receive a highly reliable and impactful system.



#### Benefit: Short Learning Curve

Powerful Roboticom Developed Software

The ORTIS™ System's unique features and automation capabilities have been developed specifically for the Orthotic and Prosthetic industry.



#### Benefit: Our Guarantee

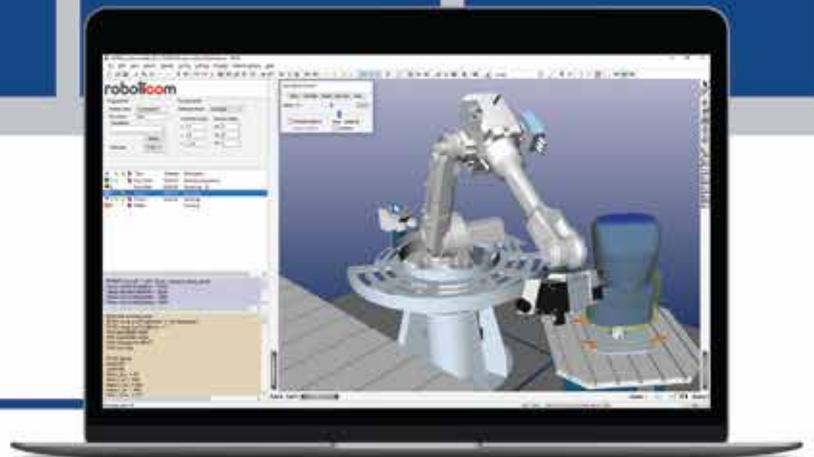
Open Source Technology

No Additional Expenses For Adapting Technologies.

ORTIS™ is an Open Solution and Open Source Technology.

### Programming Within Your Reach With ARPP® All-In-One Software

ARPP® software interface and control system includes CAM functionalities that generate optimized tool paths for the orthopedic field and it simulates the material removal operations. Our unique solution ensures a short learning curve and provides simple procedures for the technicians.



With ARPP® and its "FlexRemote" function, ORTIS™ can be controlled from any location through an Internet connection. "FlexRemote" functions include supervising, operating and even running diagnostics.

## Models



	<b>ORTIS ESSENTIAL</b>	<b>ORTIS PRO</b>	<b>ORTIS ENTERPRISE</b>
Robot Type	Anthropomorphic Robot, 6-Axis 6 kg (13 lbs) Payload on the Wrist Working Area Approximately 1000 mm (3 feet)	Anthropomorphic Robot, 6-Axis 20 kg (44 lbs) Payload on the Wrist Working Area Approximately 1600 mm (5 feet)	Anthropomorphic Robot, 6-Axis 40-60 kg (88-132 lbs) Payload on the Wrist Working Area from 2.000 to 2.500 mm (6 feet to 8 feet)
Seventh Interpolated Axis Aluminium Turntable	450 x 450 mm (18"x18") Working Plate, 60 rpm System Integrated in Containment Box	700 x 700 mm (28"x 28") Working Plate, 60 rpm Possible additional turntable or fixed table	700 x 700 mm (28"x 28") Working Plate, 60 rpm Possible additional turntable or fixed table
380V Three-Phase Electro Spindle	1.0 KW 24.000 rpm Auto Cooling System Up to ER20 Collect (Tool Shank Diameters from 2 to 12 mm) Manual Tool Change	3.6 KW 24.000 rpm Fan-Cooling Up to ER30 Collect (Tool Shank Diameters from 3 to 20 mm) Manual Tool Change	4.0 KW 24.000 rpm Fan-Cooling ISO30 Tool Holders (Tool Shank Diameters from 2 to 20 mm) Automatic Tool Change
Presetting Laser	Laser Device Automatically Measures the Tool Length	Laser Device Automatically Measures the Tool Length	Laser Device Automatically Measures the Tool Length
Tool Box			10-position toolbox for ISO30 Tool Holders The robot deposits the holder with the actual tool in the box and automatically takes the new required tool.
Work Area	Processes blocks up to 600 x 600 x 1000 mm (2 feet x 2 feet x 3 feet)	Processes blocks up to 700 x 700 x 1200 mm (3 feet x 3 feet x 5 feet) or more, with the adequate extensions for the supporting plate	Processes blocks up to 1200 x 1200 x 1800 mm (4 feet x 4 feet x 6 feet) or more, with the adequate extensions for the supporting plate
Dimensions	The Complete System: The Robot Controller is housed in an aluminum box, prearranged for chip suction. The dimensions are: 1700 length x 1250 width x 2450 height mm (6 feet length x 4 feet width x 8 feet height)	Installation on Industrial Floor Minimum Area: 3000 x 3000 x 2700 mm (10 feet x 10 feet x 9 feet) Additional Area for Robot Control Unit: 1000 x 1000 x 2000 mm (3 feet x 3 feet x 7 feet)	Installation on Industrial Floor Minimum Area: 4000 x 4000 x 3000 mm (13 feet x 13 feet x 10 feet) Additional Area for Robot Control Unit: 1000 x 1000 x 2000 mm (3 feet x 3 feet x 7 feet)
Weight	A total of about 600 kg (1300 lbs)	Robot with its own base: 550 kg (1200 lbs) Turntable: 270 kg (600 lbs) Control unit: 250 kg (550 lbs)	Robot with its own base: 650 kg (1500 lbs) * Turntable: 270 kg (600 lbs) Control Unit: 250 kg (550 lbs) Tool Box: 280 kg (625 lbs)
Power Supply 380 VAC Three-Phase 50-60 Hz **	6 KVA (average consumption 1.5 KW)	12 KVA (average consumption 4.5 KW)	15 KVA (average consumption 5.5 KW)
Noise Level	<75 dB	<75 dB on a typical installation	<75 dB on a typical installation
Compressed Air	Optional, at least 3 bar	Minimum 6 bar	Minimum 6 bar

Note: ORTIS Clean Up and Vacuum System is readily available

\* According to the model installed

\*\* Other voltages available on request

## Accessories

# ORTIS + Feeding Line

Expand your production capabilities by adding a feeding line to any ORTIS™ Model!

Our Programming software ARPP® generates the carving sequence according to the different loaded pieces on the conveyor belt enabling a completely automated production process.



**North America:**

- ORTHOMERICA
- SureStep
- WINKLEY
- VA U.S. Department of Veterans Affairs
- TILLGES TECHNOLOGIES
- HITEK
- PROTHOTIC
- esp
- ottobock.
- EAST COAST
- WESTCOAST
- BioTech

**Asia:**

- Medina Sultan bin Abdul Aziz for Humanitarian City
- Shandong Provincial Orthopedic Rehabilitation Center
- Syria Relief
- Klarity
- MxBILIS
- Shanghai Lucheng Orthopedic Center

**Europe:**

- ITOP
- ORTOPEDIA RUGGIERO
- ORTOPEDIA FORESTI SANITARIA
- R.T.M.
- ottobock.
- ORTOPEDIA C.O.A.
- BIMEDICA Su MISURA
- ANTARES
- INCIL
- ROGA
- Ortopedica SCALIGERA
- COLELLA
- ORTHOCAD
- ORTHOCENTER
- VIGO
- LAGARRIGUE
- ortho.europa
- bort MEDICAL
- CHABLOZ ORTHOPEDIE
- Blatchford
- LIVIT
- Zavod za fizikalnu medicinu i rehabilitaciju
- ORTHOIBERICA
- ORTHOLUTIONS
- GraspIdeo
- interco
- ORTHOPHYSICS
- ORTOPEDI TEHNIKK
- STOB
- teamolmed
- Teufel
- Wilden
- ORTHOCARVE
- ottobock.
- ORTHOPÄDIE FORUM

**Oceania:**

- Perfect Again
- Massons healthcare

Continuous Innovation for the O&P Market