

OUR BENEFITS

Quality, speed and cost will make your product a reality sooner.

Faster Time to Revenue

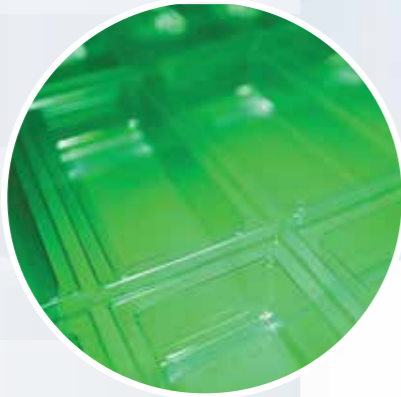
Concurrent product and process development, optimal size and streamlined, scalable, processes get you to market faster.

Confidence in Your Final Product

Our customers trust us as a design and manufacturing partner, and have the same confidence in us to take their product from concept through manufacturing and final packaging.

Orchid Supply+

Because Orchid is vertically integrated, your product can be designed, manufactured, packaged and sterilized in one stop, saving you time, money and resources.



ABOUT ORCHID

Orchid Orthopedic Solutions is a worldwide leader of medical device outsourcing services, providing expertise to partners in more than 20 countries through a complete offering that ranges from design and development to finished goods manufacturing. One of Orchid's goals is to be the market leader and our customers' strategic partner by providing reliable results, developing new technologies and creating the best total supply chain value in the industry.

CONTACT US TODAY

Make your ideas a reality.



Detroit Office:

23149 Commerce Drive
Farmington Hills, MI 48335 USA
Phone: +1 (248) 352-4570

E-mail: sales@orchid-ortho.com
www.orchid-ortho.com

Sterile Packaging Services

Class 7 Clean Rooms,
Packaging and Test Equipment,
Plus Sterilization and
Validation Expertise



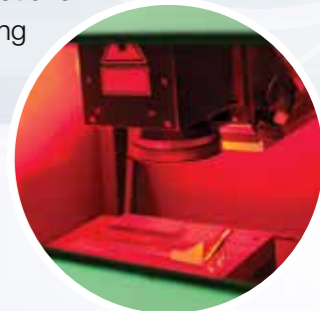
PARTNER WITH US

Package experience, quality and expertise into your products.



Orchid has committed our best resources to provide you with sterile packaging capabilities. With two ISO 7 (Class 10,000) qualified clean rooms, state-of-the-art automated packaging and test equipment, sterilization and validation expertise and a team with years of experience in medical device manufacturing, you can be sure your next packaging project is in good hands.

As a leader in the design and manufacturing of orthopedic implants and instruments, Orchid is ahead of the curve in terms of validation and quality requirements. Let us take your orthopedic products from concept all the way through to delivery, or just utilize our sterile packaging expertise to help you with design considerations and provide packaging support to bring your product to market quickly.



OUR CAPABILITIES

Complete management for your packaging project.



Services

- Fully staffed team of packaging and validation experts
- Sterile and non-sterile
- Contract packaging only or packaging at the point of manufacture in ISO 7 certified clean rooms – reduces lead time and WIP
- Sterile packaging design
 - Pouches
 - Tray / Blister Pack
 - Artwork
- Sterilization
 - EO and Gamma
 - Quarterly dose audits
- Complete validation services
- Packaging lab
 - Packaging testing to ASTM F1929 and ASTM F88
 - Seal integrity by dye penetration
 - Seal strength



REDIPAK®

RediPak® is Orchid's off-the-shelf packaging solution.

- Commonly used tray designs
- Completed five-year shelf life and sealing validations
- Library of packaging for numerous product families
- Custom artwork can be applied to RediPak® packaging
- No tooling costs
- Minimize validation costs

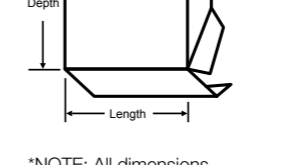
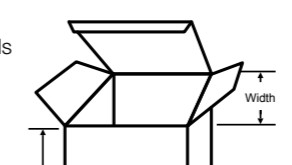
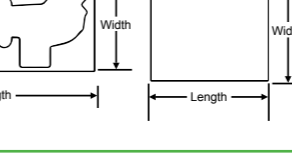
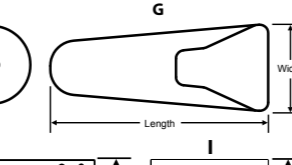
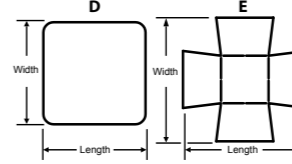
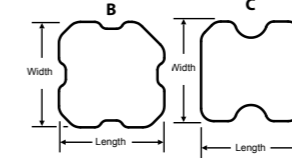
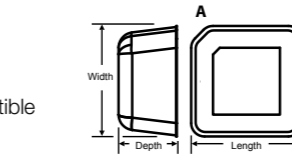
CONFIGURATIONS

Foam / Urethane

- Die-cut and molded
- Cross-linked polyethylene foam and urethane
- EO and Gamma sterilization compatible
- Custom designs

Foam / Urethane #	Dimensions		
	L	W	D
A-Foam	4.4"	4.4"	2.0"
B-Foam	3.4"	3.4"	0.13"
C-Foam	4.8"	4.8"	0.38"
D-Foam	2.3"	2.3"	0.13"
E-Foam	6.5"	6.5"	0.13"
F-Foam	1.5"	2.0"	N/A
G-Uret	9.8"	3.9"	N/A
H-Foam	16.5"	8.0"	2.0"
I-Foam	1.13"	1.13"	N/A

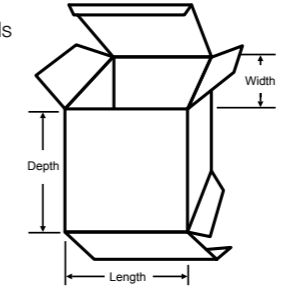
*NOTE: All dimensions are approximate



Cartons

- SBS and e-flute corrugated materials
- Printed and unprinted
- Custom graphic designs
- Custom sizes

Carton #	Dimensions		
	L	W	D
1001	6.8"	3.2"	6.8"
1002	4.375"	1.312"	6.0"
1003	6.0"	1.3"	6.0"
1004	2.8"	0.8"	7.0"
1005	5.8"	3.0"	5.8"
1006	6.5"	1.6"	12.5"
1007	3.0"	0.875"	2.5"
1008	9.0"	4.0"	7.0"
1010	6.0"	1.0"	13.0"

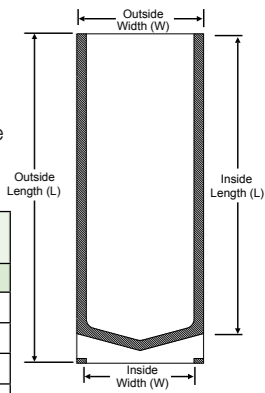


*NOTE: All dimensions are approximate

Pouches

- Chevron, peelable structure
- Materials: Tyvek 1073B / polyester, nylon, or foil
- Single or double barrier
- EO (Tyvek only) and Gamma compatible

Pouch #	Inside Dimensions		Outside Dimensions	
	L	W	L	W
1097	8.5"	1.75"	9.25"	2.5"
1098	8.5"	2.75"	9.25"	3.5"
1099	2.0"	1.25"	4.25"	2.0"
1100	4.0"	2.25"	7.0"	3.0"
1101	5.0"	3.25"	9.0"	4.0"
1102	8.75"	5.25"	10.0"	6.0"
1103	14.0"	11.25"	18.0"	12.0"
1104	6.25"	2.25"	7.0"	3.0"
1105	4.25"	1.25"	5.0"	2.0"
1106	4.5"	2.75"	5.25"	3.5"
1107	6.25"	3.75"	7.0"	4.5"



*NOTE: All dimensions are approximate

Trays

- Precision, pressure-formed PETG
- 1073 B Tyvek Lidstock
- Single or double barrier
- Custom foam and urethane protection available
- Five-year shelf life (data upon request)
- EO and Gamma sterilization compatible

*NOTE: All dimensions are approximate

Tray #	Inside Dimensions			Outside Dimensions		
	L	W	D	L	W	D
RP1MD	4.5"	4.5"	2.8"	5.5"	5.5"	2.9"
RP1LG	5.6"	5.6"	3.2"	6.4"	6.4"	3.3"
RP2SM	3.4"	3.4"	2.4"	4.6"	4.6"	2.5"
RP2MD	4.5"	4.5"	2.8"	5.5"	5.5"	2.9"
RP2.5SM	3.4"	3.4"	1.2"	4.6"	4.6"	1.3"
RP2.5MD	4.5"	4.5"	1.4"	5.5"	5.5"	1.5"
RP2.5XS	2.3"	2.3"	1.0"	3.7"	3.7"	1.1"
RP3MD	9.8"	4.1"	1.2"	11.1"	5.2"	1.3"
RP3LG	10.0"	4.3"	1.4"	12.3"	6.4"	1.5"

