



Precision Rehab Manufacturing Inc.
Shape Capturing with Scaniverse



Step by step Scaniverse



- Download from Apple or Android store (if not installed)
- Confirm your device is charged



Scaniverse - 3D Scanner, LiDAR

Niantic, Inc.

What do I need to digitize files for PRM Inc.?



- PRM Inc. uses Scaniverse for shape capturing
- Can use iPhone, iPad, or Android
 - PRM Inc. uses the apps recommended by the camera manufacturer.
 - App is updated by the camera manufacturer, ensuring we are using the latest, fastest, and most accurate software. The camera will prompt you to update if one is available



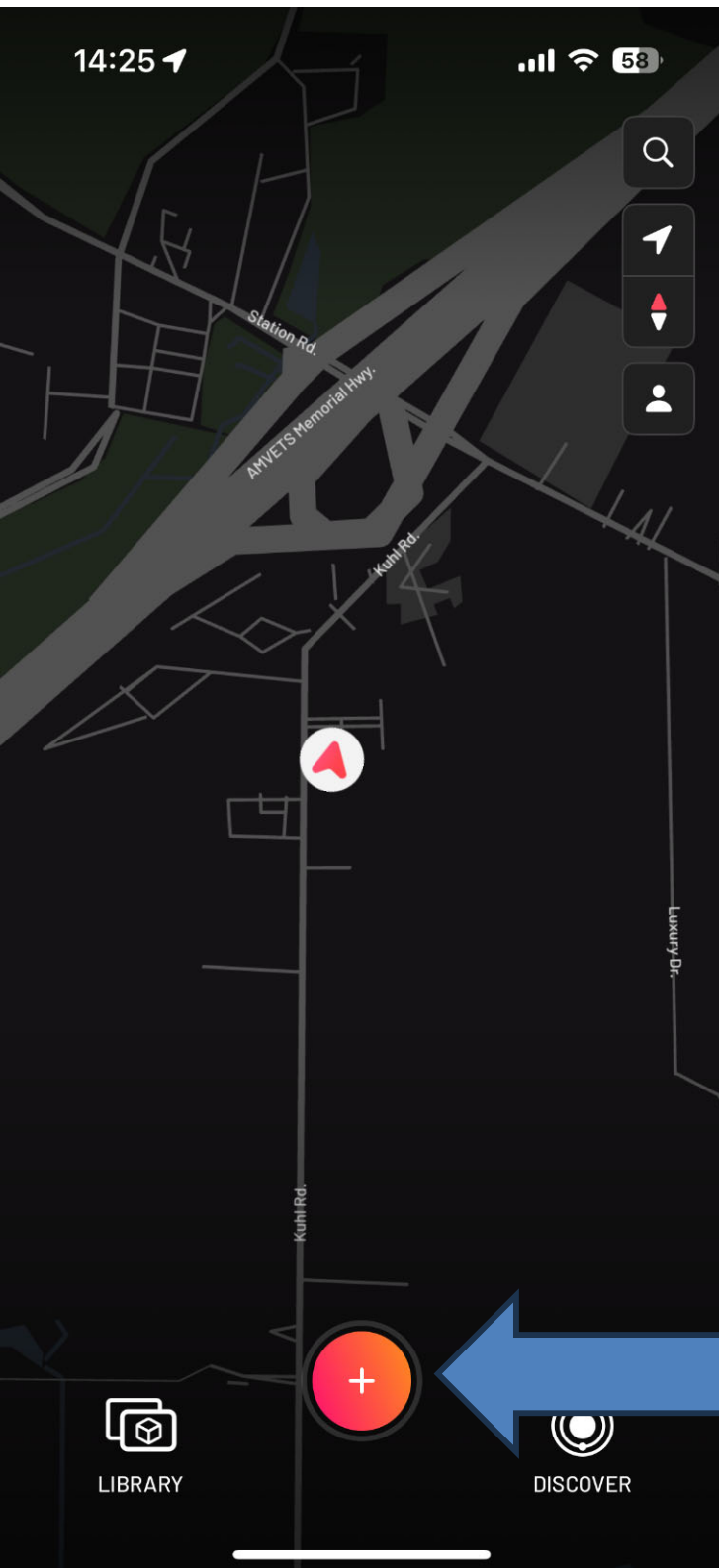
Step by step Scaniverse



1

Open "Scaniverse" software from Niantic

Click the red plus button



14:25


58


Step by step Scaniverse

2



Click Mesh

 **Splat**
Lifelike scans that can be shared to the map

 **Mesh**
Classic mode with more export options



LIBRARY

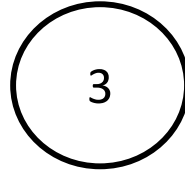



DISCOVER


14:25




Step by step Scaniverse



 **Small Object**
food, toys, pets, flowers

 **Medium Object**
people, vehicles, furniture

 **Large Object / Area**
rooms, buildings, outdoor spaces

Click medium object



LIBRARY



DISCOVER

Step by step Scaniverse



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Set range by clicking range then scrolling from 2.5m to 1m for capturing.



Step by step Scaniverse



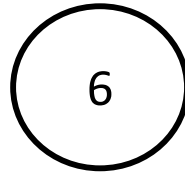
5



Then click record or red button, you can see how to the scanner is capturing data points instantly. Then continue to move around frame to capture all of shape



Step by step Scaniverse



As you are continuing to move around frame to capture all of shape. You will see areas that “fill” themselves in after changing the angle / position of the camera

Step by step Scaniverse

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Here we can see the spot “filled in”
the hole as we continued to shape
capture





Step by step Scaniverse

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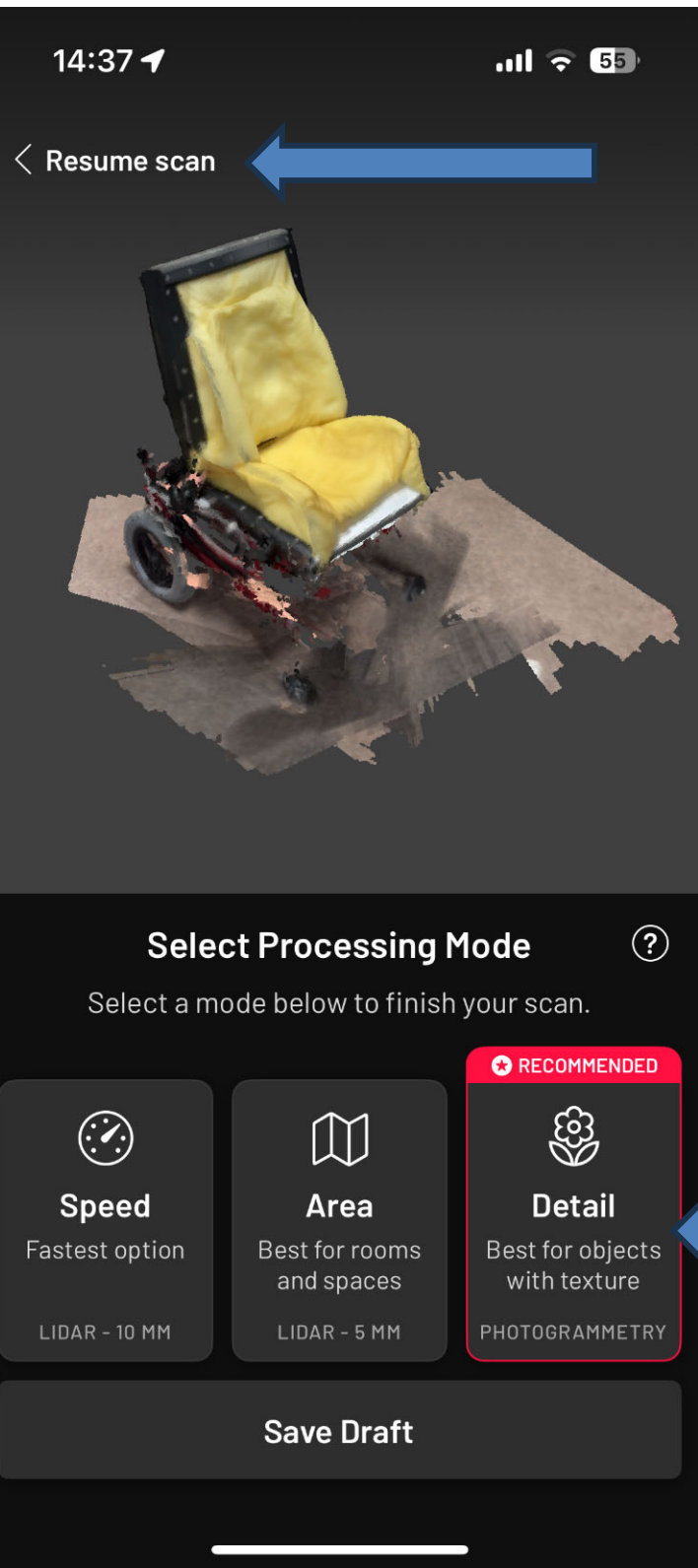
Once it appears that you have captured the contours of the client, you can click the red button to stop scanning

Step by step Scaniverse



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On this screen you can confirm/ review the mold. If you need to continue to scan you can click resume scan in the top left.



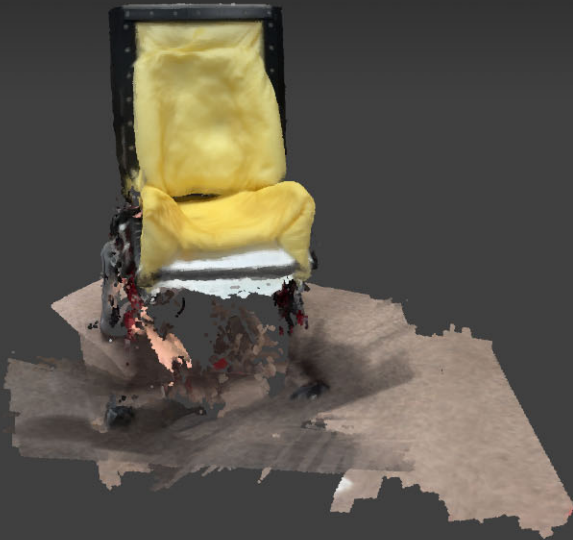
If you confirm the shape is captured, click the detail button on the bottom right

14:37

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Step by step Scaniverse

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The software will take a few minutes to detail the scan. You can view progress at the bottom of the screen.

Processing Scan

Keep Scaniverse open while processing

ALIGNING FRAMES

11%

Cancel

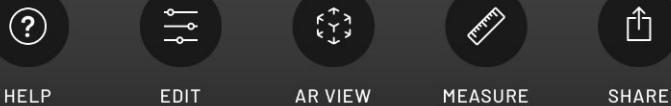


14:39

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Untitled scan

MON, AUG 4, 2025 • 14:37



HELP EDIT AR VIEW MEASURE SHARE

Step by step Scaniverse

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Once the detail is complete, scaniverse will store the mold in your library. This will allow you to rename and store your molds.

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53

Untitled scan

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HELP



EDIT



AR VIEW



MEASURE



SHARE

Step by step Scaniverse

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Click “Untitled scan” in the top left of the capture



14:40

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Title

Name - Date - Location

Cancel

Save

Step by step Scaniverse

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Then type "Name –
Date – Location" for the
mold.

Then click save



14:40

53



Name - Date - Location

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HELP



EDIT



AR VIEW



MEASURE



SHARE

Step by step Scaniverse

14



Now you have captured and saved the mold. Then click in the bottom right “share”



14:40

53

Name - Date - Location

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Export Model As

FBX

SUPPORTED BY MOST 3D SOFTWARE & GAME ENGINES

OBJ

TEXT-BASED 3D MODEL FORMAT

GLB

OPEN 3D FORMAT FOR THE WEB (BINARY GLTF)

USDZ

BEST FOR ARKIT AND SHARING TO IPHONES

STL

STEREOLITHOGRAPHY FILE

PLY

HIGH-DENSITY COLOR POINT CLOUD

LAS

GEOREFERENCED COLOR POINT CLOUD

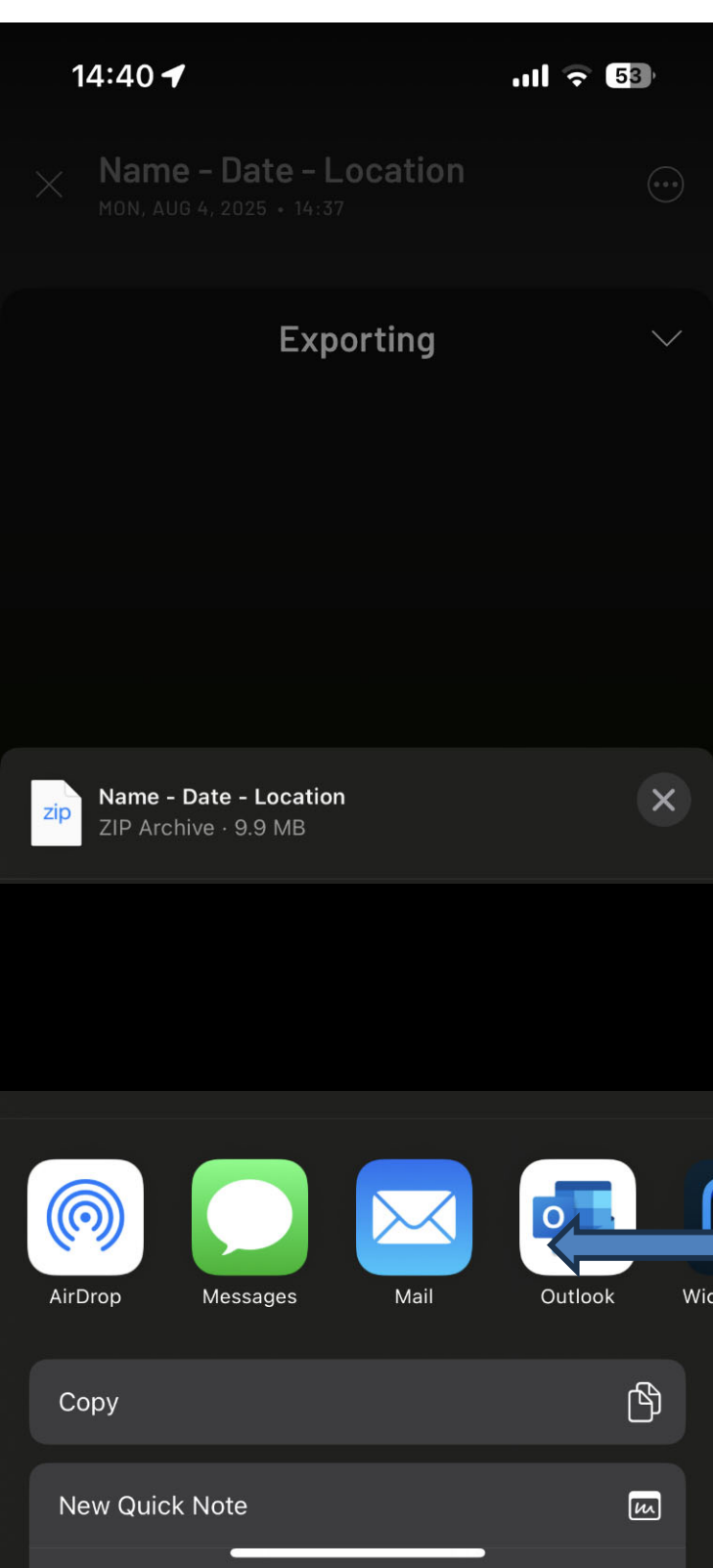
Step by step Scaniverse

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Then share as an OBJ file



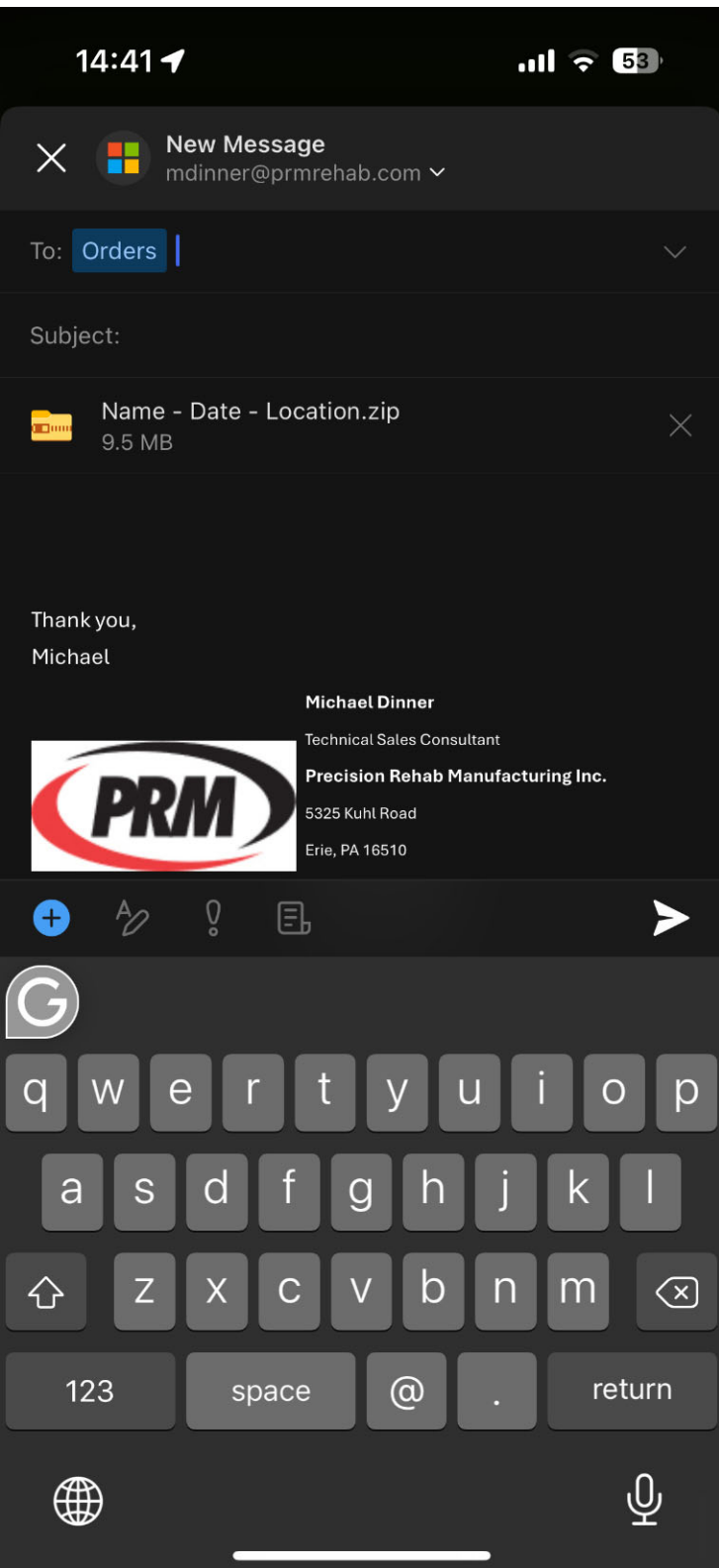


Step by step Scaniverse

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Then click “mail” or “Outlook” to send shapes over email to orders@prmrehab.com



Step by step Scaniverse

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Lastly, send the .OBJ file and any photos or notes to orders@prmrehab.com

For PRM to process an order, we need;

1. PO
2. Order form
3. Shape capture .obj file

Photos Recommended



Front On – with and without client



Left side and right side with client



Do I Need to use a PRM Inc. molding frame?



- All manufacturers use bags, beads, and a pump to capture shapes. The process of capturing the shape does not change for each manufacturer.
- **Therefore, you can use any molding system you would like.**
- Please reach out to us for a quote if you are in need of a molding system at orders@prmrehab.com or 814-899-8731
- *A molding frame will include bags, beads and frame to attached to an existing 19 or 20 wide wheelchair base, preferably Iris or Solara*



Scaniverse Shape Capturing



Scaniverse - 3D Scanner, LiDAR

Niantic, Inc.



Scan shape captures with your Apple or Android devices

- Download free from your app store if not installed
- After mold is completed send shape to orders@prmrehab.com
- Complete an order form and send to our orders email. Info can be found at www.prmreahb.com/resources



iOS iPhone

The following iPhones support the Scaniverse app:

- iPhone 11 and newer
- iPhone XR / XS / XS Max
- iPhone SE (2nd and 3rd generation)

However, only iPhones 12 or newer can capture and post splats.

iOS iPad

All iPads with an A12 processor or later:

- iPad (8th generation and later)
- iPad Air (4th generation and later)
- iPad Mini (5th generation and later)
- iPad Pro 12.9" (3rd generation and later)
- iPad Pro 11" (all generations)

Android

Scaniverse supports Android devices with the following minimum system requirements:

- Android 7.0 (Nougat) or later
- At least 4 GB of RAM
- ARCore with Depth API



Getting Started

- **Make sure to charge your device before using, have an order form, and a molding frame**
- Avoid shadows and direct sunlight on molding bags during shape capture
 - Variance in light consistency will affect image quality
- Make sure you have enough space to scan around the molding frame, make sure molding frame is not in tilt.

Order Form Completion



Properly filled out order forms greatly improve the time it takes to process the order

Critical Dimensions

- Seat Depth
- Back height
- Seat -to- back height
- Seat to Back angle



Signature-Fit's Order Form



SIGNATURE-FIT™

ORDER FORM

EMAIL SHAPES, ORDER FORM AND PO# TO ORDERS@PRMREHAB.COM

CHAIR INFO

Chair _____
 Chair Width* _____
 Seat to Back Angle _____

*Chair width = Inside contour width + 2"

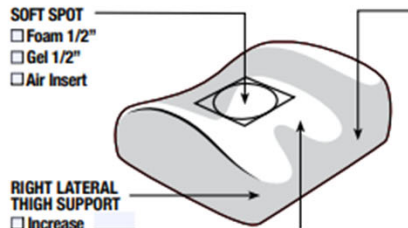
All Mods All Mods Seat does not include the following options: Extra wide seat (greater than 20"), Extra deep seat (greater than 20"), Extra strong, Air Insert, Cross brace cut out, Through the cushion belt holes, Knob hardware, PRM flush mount, and Bio mount.

JUNCTIONS

Standard Growth

SEAT DIMENSIONS

DEPTH	MOLDED DIMENSION	INCREASE	DECREASE	FRONT OR REAR	FINAL DIMENSION
LEFT					
RIGHT					



SOFT SPOT
 Foam 1/2"
 Gel 1/2"
 Air Insert

LEFT LATERAL THIGH SUPPORT
 Increase _____
 Decrease _____
 Extend _____
 Match to Right
 Extra Strong

RIGHT LATERAL THIGH SUPPORT
 Increase _____
 Decrease _____
 Extend _____
 Match to Left
 Extra Strong

MEDIAL THIGH SUPPORT
 Increase _____
 Decrease _____
 Extend _____
 Extra Strong

SEAT SPECIFICS

FIT
 Standard
 Loose (1/4")

T-NUTS
 None
 Partial Row
 Full Row
 Velcro Seat Attachment

OPTIONS
 Beveled Front Edge
 Footrest Removal Notches
 Seat Belt Notches
 Cross Brace Cutout
 Seat Notches for Growth
 Through the Cushion Belt Holes

HARDWARE
 PRM J and L 1"
 PRM J and L 7/8"
 PRM Flush Mount 1"
 Knob Hardware 1"
 Other _____

MOUNT
 On Rails Wood Mount
 On Rails 1/8" ABS
 Between Rails Wood Mount
 Between Rails 1/8" ABS

CLIENT INFO

PO# _____
 Date _____
 Technician Name _____
 Patient Name _____
 Company Name _____

Finished Cushion Trial-Fit with Liners and Covers
 Trial-Fit (Return to PRM Inc. for Finishing)

SEAT FOAM

BASE FOAM
 Soft Firm

FOAM LINER OPTIONS

TOP	BOTTOM
<input type="checkbox"/> 1/2" Super Soft	<input type="checkbox"/> 1/2" Super Soft
<input type="checkbox"/> 1/2" Soft	<input type="checkbox"/> 1/2" Soft
<input type="checkbox"/> 1/2" Medium	<input type="checkbox"/> 1/2" Medium
<input type="checkbox"/> 1/2" Poly	<input type="checkbox"/> 1/2" Poly
<input type="checkbox"/> 1/4" Soft	<input type="checkbox"/> 1" Super Soft
<input type="checkbox"/> 1/4" Medium	<input type="checkbox"/> 1" Soft
	<input type="checkbox"/> 1" Medium
	<input type="checkbox"/> 1" Poly
	<input type="checkbox"/> NONE

SEAT FABRIC OPTIONS

Input the cover qty. in fabric and style of choice.
 Side colors = "5" for slip or "2" for Zipper.

Slip Qty.	Zipper Qty.	Sides	INCONTINENT FABRIC
			Dartex (Smooth Up)
			Dartex (Fabric Up)
			Lycra
			Neoprene Black
			Neoprene Dark Blue
			Neoprene Hunter Green
			Neoprene Light Blue
			Neoprene Grey
			Neoprene Orange
			Neoprene Purple
			Neoprene Red
			BREATHABLE FABRICS
			Spacer Mesh
			Cool Mesh
			VACUUM FORMED OPTIONS
			<input type="checkbox"/> Dartex (Smooth Up)
			<input type="checkbox"/> Black Vinyl
			<input type="checkbox"/> Grey Vinyl

CHAIR INFO

Chair _____
 Chair Width* _____
 Seat to Back Angle _____

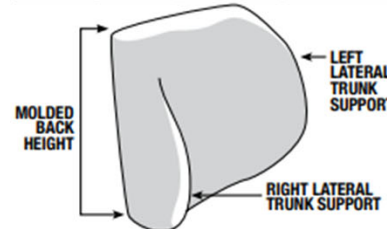
*Chair width = Inside contour width + 2"

All Mods Back Wood Mount All Mods Backshell

All Mods Back does not include the following options: Extra wide back (greater than 20"), Extra tall back, Extra deep laterals (greater than 10"), Extra strong, Heavy Duty Steel Bracket, Swing away lateral, Thru the cushion belt holes, Rail cuts, Vent holes, Heat reduction channels, Universal headrest mount, PRM clamps, PRM flush mount, Knob hardware, Quick release, Power chair mount, and Bio mount.

BACK DIMENSIONS

INCREASE	DECREASE	TOP/BOTTOM	FINAL DIMENSION



LATERAL TRUNK SUPPORT DEPTH

	INCREASE	FROM	TO	
LEFT				MATCH LEFT TO RIGHT
RIGHT				MATCH RIGHT TO LEFT

EXTRA STRONG LATERALS LEFT RIGHT
SUPER STRONG STEEL LATERAL LEFT RIGHT
SWING AWAY LATERALS LEFT RIGHT

BACK SPECIFICS

FIT
 Standard
 Loose (1/4")

T-NUTS
 None
 Partial Row
 Full Row
 Other _____

T-NUT FOR HEADREST
 None
 PRM
 Other _____
 Universal Headrest Mount

MOUNT OPTION
 Backshell
 On Rail Wood Mount
 Between Rail Wood Mount

BACKSHELL HARDWARE OPTIONS
 2pt PRM Clamps (Std.)
 4pt PRM Clamps (HD)
 Quick Release

POWER MOUNT
 Quantum/Sunrise
 Permobil
 Amylior

MOUNT OPTION
 On Rail Wood Mount
 Between Rail Wood Mount

WOOD HARDWARE OPTIONS
 J+L 1"
 J+L 7/8"
 J+L Split set 1"+7/8"
 2pt PRM Clamps (Std.)
 4pt PRM Clamps (HD)
 Quick Release
 PRM Flush Mount 1"
 Knob Hardware 1"

OTHER OPTIONS
 Shoulder Strap Mount
 Heat Reduction Channels
 Cane Notches for Back
 ABS Back Plate Cover

*A power chair mount will mount easier with a backshell versus a wood mount for the added clearance room the backshell wings provide.

CLIENT INFO

PO# _____
 Date _____
 Technician Name _____
 Patient Name _____
 Company Name _____

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 Trial-Fit (Return to PRM Inc. for Finishing)

BACK FOAM

BASE FOAM
 Soft Firm

FOAM LINER OPTIONS

TOP	BOTTOM
<input type="checkbox"/> 1/2" Super Soft	<input type="checkbox"/> 1/2" Super Soft
<input type="checkbox"/> 1/2" Soft	<input type="checkbox"/> 1/2" Soft
<input type="checkbox"/> 1/2" Medium	<input type="checkbox"/> 1/2" Poly
<input type="checkbox"/> 1/2" Poly	<input type="checkbox"/> 1" Super Soft
<input type="checkbox"/> 1/4" Soft	<input type="checkbox"/> 1" Soft
<input type="checkbox"/> 1/4" Medium	<input type="checkbox"/> 1" Medium
	<input type="checkbox"/> 1/2" Medium
	<input type="checkbox"/> 1" Poly
	<input type="checkbox"/> NONE

BACK FABRIC OPTIONS

Input the cover qty. in fabric and style of choice.
 Side colors = "5" for Slip or "2" for Zipper.
 *No zipper cover with a backshell

Slip Qty.	Zipper Qty.	Sides	INCONTINENT FABRIC
			Dartex (Smooth Up)
			Dartex (Fabric Up)
			Lycra
			Neoprene Black
			Neoprene Dark Blue
			Neoprene Hunter Green
			Neoprene Light Blue
			Neoprene Grey
			Neoprene Orange
			Neoprene Purple
			Neoprene Red
			BREATHABLE FABRICS
			Spacer Mesh
			Cool Mesh
			VACUUM FORMED OPTIONS
			<input type="checkbox"/> Dartex (Smooth Up)
			<input type="checkbox"/> Black Vinyl
			<input type="checkbox"/> Grey Vinyl



Thank you for using PRM



If you have any questions during scanning or run into any issues, please do not hesitate to contact us at:

(814)-899-8731 (local)

+1(866)-776-7342 (toll free)

