

MTI | Oral Surgery Chairs and Accessories

U.S. & Canada 800-924-4655 | International 801-875-4999 | www.mti.net



MTI OUTPERFORMS THE COMPETITION
IN DESIGN AND CHAIR FEATURES.

SIMPLIFY DELIVERY OF CARE

WITH A WORKFLOW SOLUTION
TAILORED TO MEET YOUR NEEDS



Patient Arm Management

MTI offers standard and premium patient IV and patient arm management systems. We also have an entire selection of Floating Arm™ configurations. The MTI Floating Arm™ (see selection page 14) system is a patented arm system which helps eliminate the need for continual IV and patient arm readjustments. The system prevents arms from colliding with the chair (inset photo) should you actuate the auto return function and forget to reposition the arms at the conclusion of a procedure.



Model 721 chair shown with two Floating Arm™ IV systems, prosthetic headrest, and designer upholstery style.



Superior Base Design

All MTI chair bases are telescoping and low-voltage DC-powered, providing a straight up and down ascent and decent. This eliminates the forward and backward movement of all cantilever base designs found in most competitive chairs. MTI's advanced base design also offers superior lifting capacities of over 600 lbs., making it easy to accommodate even the heaviest of patients.



Headrest Selections to Meet Your Needs

MTI produces an entire family of specialty oral surgery headrests with an intuitive locking system which is easier to adjust than competitive headrest lock systems. If forearm supports are important, the MTI resilient urethane closed cell molded construction is far superior in comfort to the machined, hard plastic or the sandwiched vinyl construction of competitive forearm support headrests.



Rugged Construction and Velcro® Upholstery Attachment

All steel-welded construction and steel cushion substrates make the MTI chairs able to handle extremely heavy loads and assure long table or chair life. Velcro®-attached cushions make it easy to change chair color, replace a damaged cushion, and afford easy cleaning.



SUPERIOR PATIENT ACCESS

Standard on every MTI surgery table and consult chair

Products for your Oral Surgery office:

- A** 721 Contour Seat Surgery Chair
- B** EG Style Stool with foot ring
- C** EG Style Stool with curved body support
- D** OSIT Table

721

MTI Model 721 Contoured Seat Tri-Power Surgery Chair

POWER LIFT, POWER BACK, AND POWER TILT FUNCTIONS



Model 721 chair shown with
System AF arm configuration,
(1) Floating IV and Patient
Arm™, with prosthetic
headrest and designer
upholstery style. See pages
14–15 for additional arm and
headrest selections.



Positions from upright to contour and trendelenburg are easily attained with the three-power functions of the 721 chair.

The MTI 721 offers maximum patient access and at the same time provides the patient unmatched comfort to aid in patient tranquility.

Thirteen different arm configurations and numerous headrest options provide additional versatility. Additional options like programmability, swivel bases, and mobility help satisfy the demands of today's oral surgery practice.

Standard features include: 24-volt low-voltage DC-motors, 19" (48.3 cm) entry height with 16" (40.6 cm) vertical travel power lift base, power back and power tilt for trendelenburg positioning, headrest of choice, all steel frame and cushion substrates, selection of arm styles, designer or smooth Velcro®-attached upholstery styles in standard foams (optional memory foams and Ultraleather™ styles available), foot control or remote hand control with auto return, stop/cancel, and any button cancellation.



Whether standing or sitting, MTI chairs provide unmatched patient access.



Ultra-thin backrest allows for easy access and comfort in positioning the knees underneath without headrest lock interference.

OS430

MTI Models OS428/429/430 Full Knee Break Quad-Power Surgery Tables

POWER LIFT, POWER BACK, POWER TILT, AND POWER FOOT FUNCTIONS



Model OS430 chair shown with System DF Floating Arm™ IV configuration, articulating deep oval headrest, and smooth upholstery style. See pages 14 – 15 for additional arm and headrest selections.



Model OS428 20" wide



Model OS429 22" wide



Model OS430 24" wide

Choice of 20", 22", and 24" widths are available for the OS430 Series tables.



Tapered or square back designs are available on the OS430 and OS429 models. OS428 is only available in a tapered back design.

The OS430 Series surgery tables offer more flexibility than any other surgery table on the market. They are available in three maximum widths, 20", 22", and 24" (50.8, 55.9, and 61 cm), two different min/max height capabilities, 19/30.5" (48.3/77.5 cm) and 21/37" (53.3/94 cm), and in two different back styles: tapered and square.

The OS430 Series surgery tables are made even more versatile in meeting the needs of any practice with one of the thirteen different arm configurations. Programmability, swivel and mobile base options make the OS430's even more adaptable to today's oral surgery practice needs.

Standard features include: 24-volt low-voltage DC-motors, choice of width (20", 22", 24") [50.8, 55.9, 61 cm] and back style (tapered or square), 19" or 21" (48.3 or 53.3 cm) entry height with a 11.5" or 16" (29.2 or 40.6 cm) vertical travel power lift base, respectively, power back, power tilt for trendelenburg positioning, and power foot, headrest of choice, all steel frame and cushion substrates, selection of arm styles, smooth Velcro®-attached upholstery in standard foams (optional memory foams and Ultraleather™ styles available), foot control, remote hand control, or back mounted hand switches with auto return, stop/cancel, and any button cancellation.



The tapered back of the OS430 Series tables provides exceptional access to the patient and the four-power functions affords maximum patient positioning versatility.



Positions from upright to contour, flat, and trendelenburg are easily attained with the four-power functions of the OS430 Series tables.

705/710

MTI Model 705 Dual and 710 Tri-Power Fixed Contour Seat Consult Chairs

**MODEL 705 POWER LIFT AND BACK
MODEL 710 POWER LIFT, BACK, AND INDEPENDENT POWER TILT FUNCTIONS**

Model 710 shown with articulating prosthetic headrest and designer upholstery style. See page 15 for additional headrest selections.



The MTI 705 Dual-Power (lift and back) and the Model 710 Tri-Power (lift, back, and tilt) fixed contour Exam/Consult chairs provide the ultimate in patient comfort with flip-up and lock-down arms for those non-surgical procedures and examinations.

Model 705 has a fixed 7-degree seat tilt for increased patient comfort and economy, and Model 710 has a separate independent power tilt for up to 30-degrees of trendelenburg.

The MTI consult chairs can be equipped with many of the options previously available only on major surgery chairs, such as electrically operated swivel base, mobile base options, and programmability.

Standard features include: 24-volt low-voltage DC-motors, 19" (48.3 cm) entry height with 16" (40.6 cm) vertical travel power lift base, power back and power tilt (Model 710 only), headrest of choice, all steel frame and cushion substrates, designer or smooth Velcro®-attached upholstery in standard foams (optional memory foams and Ultraleather™ styles available), foot control, remote hand control, or back mounted hand switches with auto return, stop/cancel, and any button cancellation.



Compensating flip-up, lock-down arms are found on all exam/consult and imaging chairs.



MTI Model 724

Tri-Power Coordinated Back/Leg Consult Chair with Full Knee Break

724

MODEL 724 POWER LIFT, POWER COORDINATED BACK/LEG AND INDEPENDENT POWER TILT FUNCTIONS

The MTI Model 724 Tri-Power (lift, coordinated back/leg and independent power tilt) Full Knee Break Exam/Consult chair provides easy patient entry with flip-up and lock-down arms for those non-surgical procedures and examinations.

Model 724 has a separate independent power tilt for up to 15-degrees of trendelenburg. An optional swivel top is also available to aid in special patient positioning requirements.

Model 724 is available in either of two entry/operate heights, a high base "H" model, 21" (53.3 cm) entry height with 16" (40.6 cm) of vertical rise and a low base "L" model, 19" (48.3 cm) entry height with 11.5" (29.2 cm) of vertical rise.

Standard features include: 24-volt low-voltage DC-motors, 19" or 21" (48.3 or 53.3 cm) entry height with a 11.5" or 16" (29.2 or 40.6 cm) vertical travel power lift base, respectively, power back and coordinated power back/legrest and independent power tilt, headrest of choice, all steel frame and cushion substrates, designer or smooth Velcro®-attached upholstery in standard foams (optional memory foams and Ultraleather™ styles available), foot control or back mounted hand switches with auto return, stop/cancel, and any button cancellation.



Model 724 shown in designer upholstery style with oval articulating headrest. See page 15 for additional headrest selections.



Optional Flip-up Footrest is available in place of extended legrest.



Multiple positions and superior patient access are available with the power functions of the MTI Consult Chairs.

421E/401

MTI Model 421E Manual/Electric and 401 Manual/Electric Imaging/Exam Chairs

MODEL 421E HYDRAULIC POWER LIFT AND MANUAL COORDINATED BACK/LEG FUNCTIONS
MODEL 401 HYDRAULIC POWER LIFT AND MANUAL BACK



Model 421E shown with oval articulating headrest and designer upholstery style. See page 15 for additional headrest selections.



The Model 421E Power Lift and Manual coordinated back/leg and the Model 401 Power Lift and Manual Back chairs are ideal for imaging and brief exams.

The precision gas spring counterbalances the patient in recline and aids in returning patients to the upright position. The back-mounted handle release is readily accessible from both sides of the chair back and is actuated in either an up or down direction for a smooth recline or rise, while coordinating the movement of the back and the legrest.

The arms compensate with the back as it is reclined. The flip-up feature of the armrest aid in patient entry/exit, and the arm locks in the down position for patient security. On the Model 421E, as the back reclines the footrest rises in a coordinated manner. Conversely, on the Model 401, when the back is lowered the stainless steel looped footrest does not move.

The 8" rise electro-hydraulic base is foot controlled by two pedals on the base. Both Model 421E and 401 are available in a manual hydraulic base, 421M and 400, respectively.

Standard features include: 8" (20.3 cm) vertical travel hydraulic power lift base on both models, Power hydraulic base with a 19" (48.3 cm) entry height and 8" (20.3 cm) of vertical travel, manual back coordinated legrest recline on Model 421E and manual back only on Model 401, headrest of choice (non-articulating is standard on Models 421M/401/400), all steel frame and cushion substrates, and designer (421E only) or smooth Velcro®-attached upholstery in standard foams (optional memory foams and Ultraleather™ styles available).



Model 401 shown with non-articulating oval headrest and optional tear drop stabilizer plate (TDSP).

MTI Model TRC600 and TRC600XL Mobile Patient Transfer/Recovery Chairs

TR600/600XL

MOBILE BASE AND MANUAL RECLINE

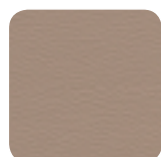
The MTI TRC600 and TRC600XL provide a safe and comfortable patient management platform for surgery recovery, transport, and other clinical needs.

These models provide three positions from upright to trendelenburg through a control handle located on the rear of the recliner back accessible from either side.

The MTI TRC600XL has a higher weight capacity and is slightly larger than the TRC600 (see specifications).

Standard features include: 5" swivel locking quiet-run casters, two swing-up 11" x 18" utility tables, and transport handle. Other options and models are available upon request.

Model TRC600 in upright position.



Taupe
US 410



Blue Ridge
US 427



Black
US 393

Only available in the following Standard Premium Upholstery Colors: Taupe, Blue Ridge, and Black.



Model TRC600 with optional IV rod and holder.



Model TRC600XL in reclined position.

MTI OSIT Mobile Instrument Tables



OSIT shown with optional counter top edge guard straddling Model 721 chair with stool.

The OSIT Series of mobile instrument tables are designed with all steel frame construction and an attractive Crystal laminate top for the 1000 Series and a Frosty White solid surface top for the 2000 series, both with a laminated underside to aid in cleaning. The OSIT tables can be optionally ordered in special colors.

The OSIT mobile tables provide a stable and adjustable working surface for medical and dental specialties needing additional working surfaces. They efficiently use floor space next to and over the patient by straddling the patient and the chair/table to position the table where it is needed.

They are adjustable from 30.5" to 48" (77.5 to 121.2 cm) and provide a 23.5" x 39" (60 x 99 cm) sculptured counter top working surface. Counter top edge guards, IV rod and holder, and high volume evacuation tip holders are also optionally available.

A 21" x 12" (53.3 x 30.5 cm) pullout tray for support of an instrument tray or an additional work surface is standard on the OSIT-1001 and OSIT-2001 models.

Standard features include: Four twin-wheel locking urethane tread casters, Crystal Laminate top and laminated underside, and 17.5" (44.5 cm) vertical adjustment.



Optional Counter Top Edge Guard (CEG)



- OSIT-1000 Crystal Laminate counter top without pull out tray.
- OSIT-1001* Crystal Laminate counter top with pull out tray (not shown).
- OSIT-2000 Frosty White Solid Surface counter top without pull out tray (not shown).

- 12 OSIT-2001* Frosty White Solid Surface counter top with pull out tray.

*Stainless steel tray not included.



Optional IV Pole (OSIT-IV)



Optional High volume evacuation tip holder (HVET)

MTI MTC Mobile Treatment Cabinets

MTC

The MTI MTC Series of cabinets feature European styling with appealing rounded side panel edges and molded handles, premium industrial wood components and Wilsonart Crystal color laminate outside with melamine laminated inside.

European style drawer construction with metal side/slides make the metal side and the slide of the drawer one piece. In models with doors, the MTC's also employ quality European hardware for wider opening.

The MTC doors and drawers are all constructed with heavy molded edge guards for durability. Other options are available such as lift up shelf, recessed dirty instrument trays, drawer locks, and more.

Standard features include: Choice of 22" (55.9 cm) deep or 18" (45.7 cm) deep counter top, four hard rubber casters, laminate inside and out, European drawer construction and hinge hardware, 3 mm drawer/door edge molding, resilient counter top edge guard, choice of Crystal or Black counter top and backwall, and choice of one of MTI's seven Standard Laminate Cabinet colors for the doors and drawers.



MTC-1



MTC-A



Optional drawer inserts also available (CDI-3 and CDI-4).



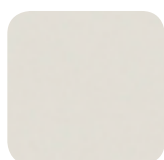
Crystal



Brittany Blue



Shadow



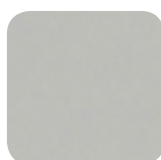
Grey



Sangaree



Light Beige



Dove Grey



MTC-B

MTI Options and Accessories



As a patient is reclined, the arms move with the patient eliminating the need for readjustments.

Patient Arm Management

MTI offers standard and premium patient IV and patient arm management systems that can be mounted to the chair three different ways: Floating Arm™* mounted, seat rail mounted, and back rail mounted.

The MTI Floating Arm™ system is a patented arm system which helps eliminate the need for continual IV and Patient arm readjustments. They avoid the arm colliding with the chair should you actuate the auto return function and forget to reposition the arms at the conclusion of a procedure.

Arm Options

Choose one or more of the arms from one of the mounting types for your arm system.

Floating Arm™ Mounted Systems*



PA472-RF Patient Arm



MP702-RF Standard
8-way IV Arm



MPD702-RF Deluxe
8-way IV Arm



PA473-SBRF-RH Slide Back
Patient Arm, Right-hand



PA473-SBRF-LH Slide Back
Patient Arm, Left-hand

Seat Rail Mounted Systems



PA471-1 Patient Arm



MP701 18" Standard 8-way
IV Arm



MPD701 18" Deluxe 8-way IV Arm



PAS-2 Patient Arm Sling (requires
PA471-1 Patient Arm)

Back Rail Mounted Systems



MP401 24" Standard 8-way
IV Arm



MPD401 24" Deluxe 8-way IV Arm

Control Options



Upgrade to a user-friendly programmable foot control.



Corded hand control



Dual back-mounted membrane switches
(OS428/429/430, 705/710, 724 models only)

Headrest Options



AH401-1 Oval Articulating



U-shaped Pillow (requires AH401-1)



AH405-1 Deep Oval Articulating



AH404-1 Rectangular Articulating
(forearm supports not available)



PH402-1 Prosthetic Articulating



Optional removable closed cell foam molded forearm supports affords comfortable support during chinning. Available on AH401-1, AH405-1 and PH402-1 headrests.



Additional Options and Accessories

BASE OPTIONS (MODELS 721, OS430 SERIES, AND 710/705 ONLY)

*Not available with a swivel base. ^Not available with a mobile base/casters



LBMCB Low-boy Mobile Caster Base (adds 0.75" [1.3 cm] to height. Max width increases to 30.75" [78.1 cm])*



CMB Mobile Base (adds 5.5" [14 cm] to height)*



MCC Mobile Caster Cart (adds 1.5" [3.8 cm] to height)*



LC-4 Mobile Base (adds 3.75" [9.5 cm] to height)*



SB 340-degree Electronically-actuated Swivel Base (adds 1.75" [4.4 cm] to height)^



FCSM Foot Control Mount



BSR430 Base Rails



IVBR Base-mounted IV Pole



2" Leveling Glides (other heights available)

Upholstery Options



Designer Upholstery (Models 721/705/710 only)



Smooth Upholstery (all models)



Ultra Plush (OS430 Series only)



Designer Upholstery (Models 724/421E only)



Memory foam available in standard, full-grain, or ultra fabrics.

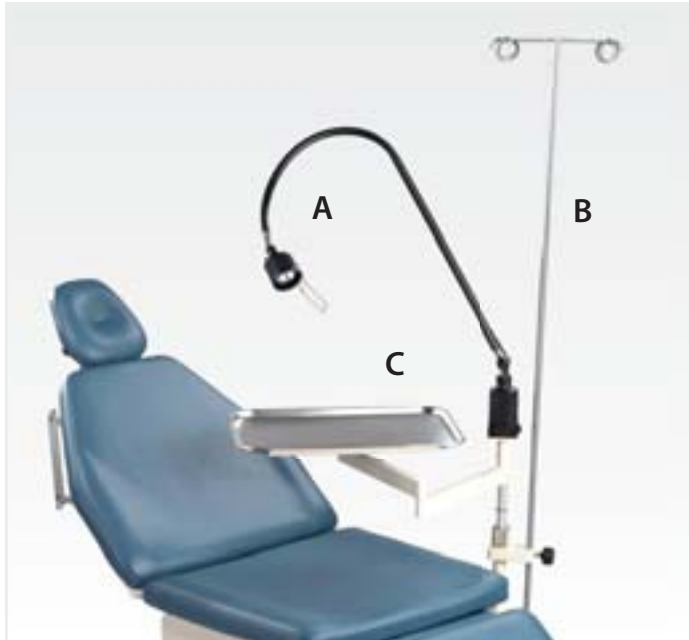
2" Post Accessories

(Models 721, OS430 Series, 710/705 only)



A: Post-mounted LED Light; B: IV Pole; C: Patient Monitor Tray; D: Flexible Mayo Tray.

Miscellaneous Accessories



A: Exam Light (available in LED or Halogen); B: IV Pole; C: Mayo Tray.



Swing Up/Down Bed Rails
(Models 721, OS430 Series only)



340-degree Swivel Chair Top
(Models 723/724 only)



Syringe Bracket Holder



Leg Restraint Strap

Lighting

Couple your MTI chair with an ceiling or wall mounted, or floor stand exam or surgery/OR light. Dual-head and track mounts are available for most models as well as major surgery lighting.



LED Surgery Light



LED Exam Light



AIM LED Surgery Light



AIM-100 Minor Surgery Light



AIM-50 Minor Surgery Light



CoolSpot II Spotlight

721[^]

Maximum Trendelenburg:

30°

Electrical Input/Power Consumption:

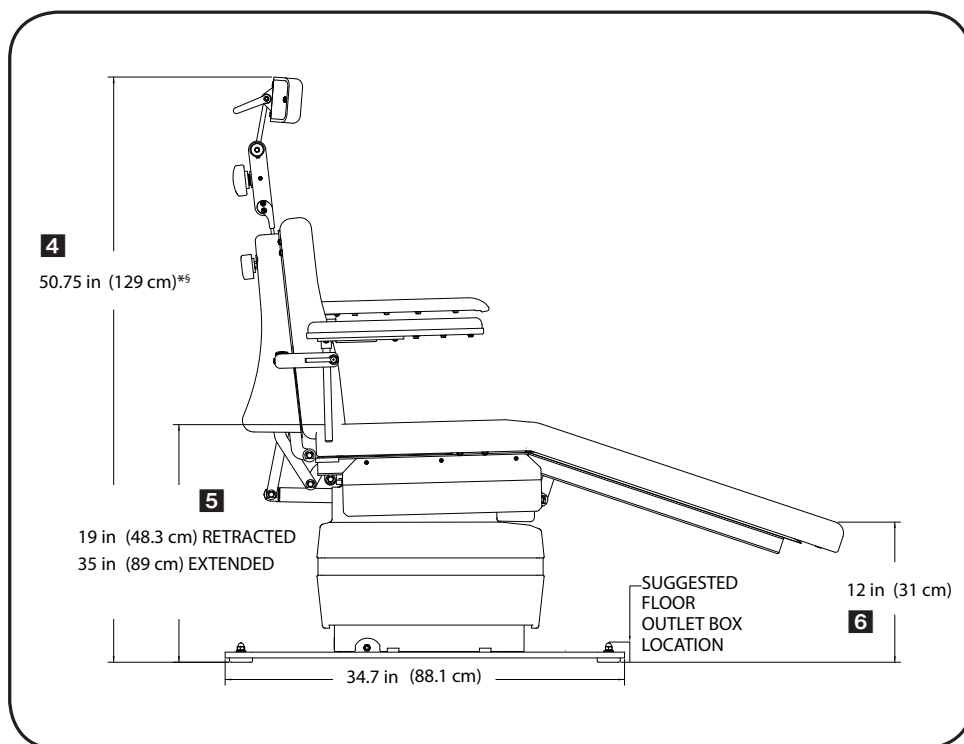
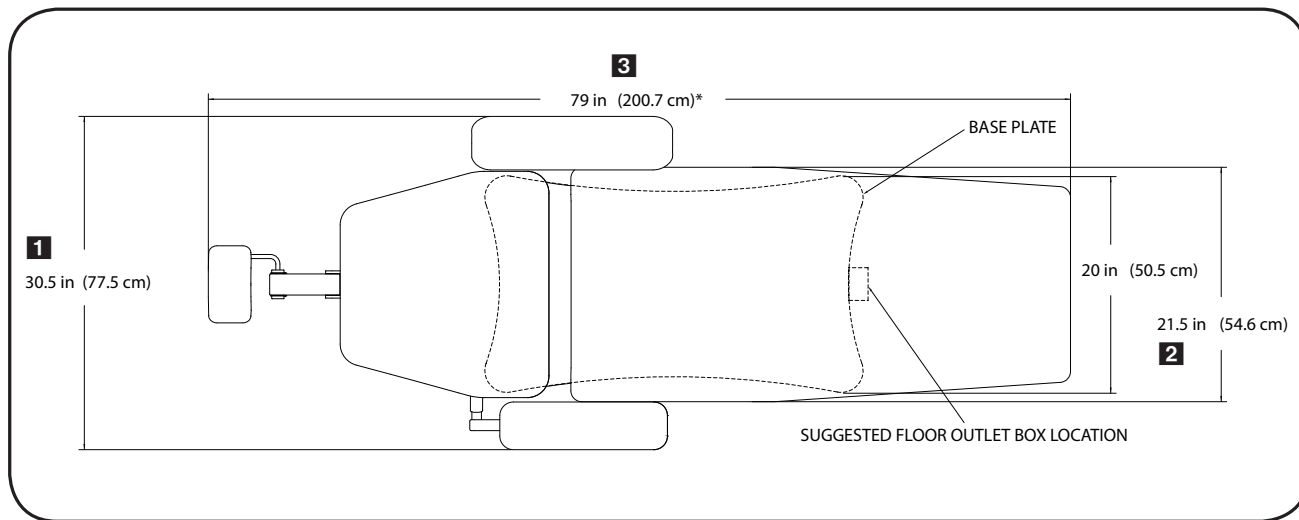
115/60, 3.5 amps

230/50, 1.75 amps

Shipping Weight†:

366 lbs. (166 kg)

Listed to the Safety Standards for Medical Electrical Equipment UL 60601-1, CSA-C22.2 60601-1, and IEC 60601-1



721

1 Chair width with Floating IV and Patient arms. Maximum width will depend on arm selection: 27" to 32" (68.6 cm to 81.3 cm)

2 Chair width without arms

3 Chair length with prosthetic articulating headrest*§

4 Height from headrest to floor

5 Height from seat cushion to floor

6 Height from footrest to floor

*Headrest extensions adds 6" (15.2 cm)

§Height will vary depending on headrest chosen and headrest adjustment

OS428/429/430^

Tapered Back Section:

OS428	20" tapering to 8" wide x 22" long (50.8 cm tapering to 20.3 cm wide x 55.9 cm long)
OS429	22" tapering to 10" wide x 22" long (55.9 cm tapering to 25.4 cm wide x 55.9 cm long)
OS430	24" tapering to 12" wide x 22" long (60.9 cm tapering to 30.5 cm wide x 55.9 cm long)

Square Back Section:

OSS429	22" wide x 22" long (55.9 cm x 55.9 cm)
OSS430	24" wide x 22" long (70 cm x 55.9 cm)

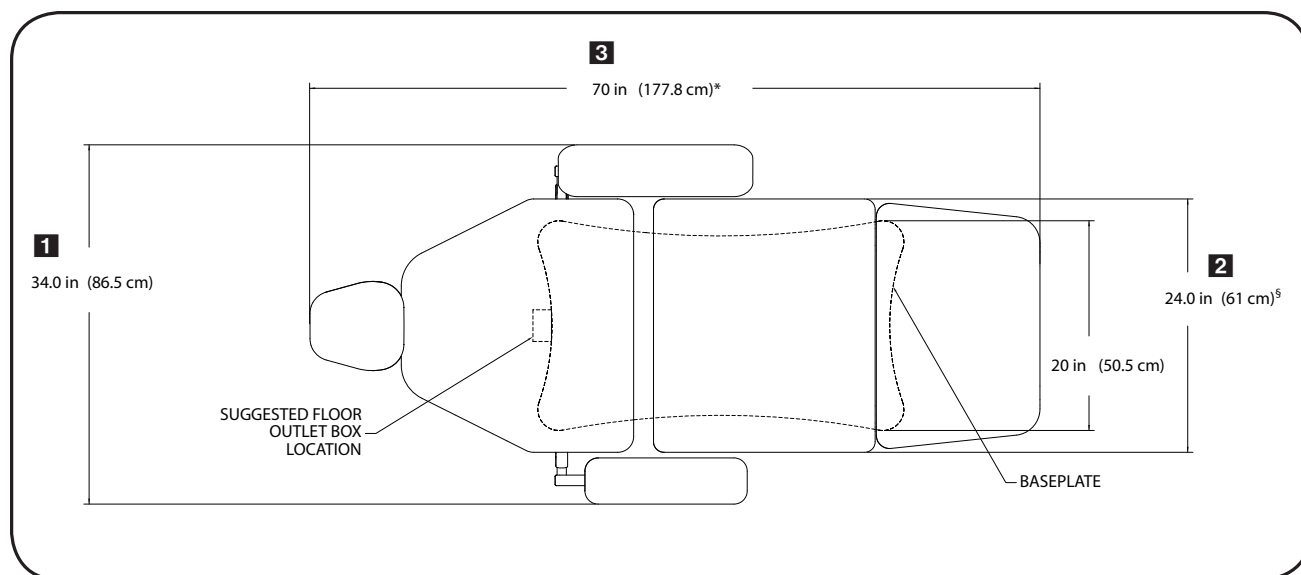
Maximum Trendelenburg: 30°

Electrical Input/Power Consumption:	115/60, 4 amps 230/50, 2 amps
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Shipping weight†:

OS428	410 lbs (186 kg)
OS429	415 lbs (188 kg)
OS430	423 lbs (192 kg)

Listed to the Safety Standards for Medical Electrical Equipment UL 60601-1, CSA-C22.2 60601-1, and IEC 60601-1



OS428/429/430

1 Chair width with Floating IV and Patient arms. Maximum width will depend on arm selection: 28" to 36" (71 cm to 91.4 cm)

2 Chair width without arms[§]

3 Chair length with deep oval articulating headrest

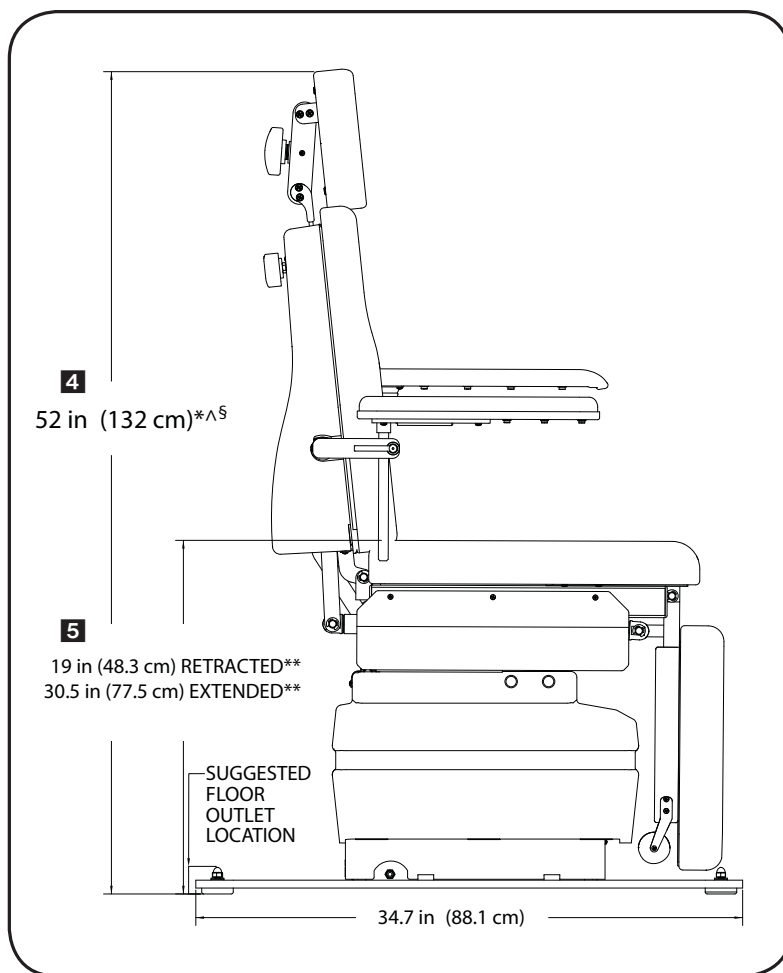
*Headrest extensions adds 6" (15.2 cm)

§ Decrease width 2" (5 cm) for OS429 Chair and 4" (10.2 cm) for OS428 Chair

^Patent no. 7862123

†Weight will vary depending on options chosen.

OS428/429/430



4 Height from headrest to floor

5 Height from seat cushion to floor

*Headrest extensions adds 6" (15.2 cm)

**For High Model Chair, dimensions are 21" (53.3 cm) RETRACTED and 37" (94 cm) EXTENDED

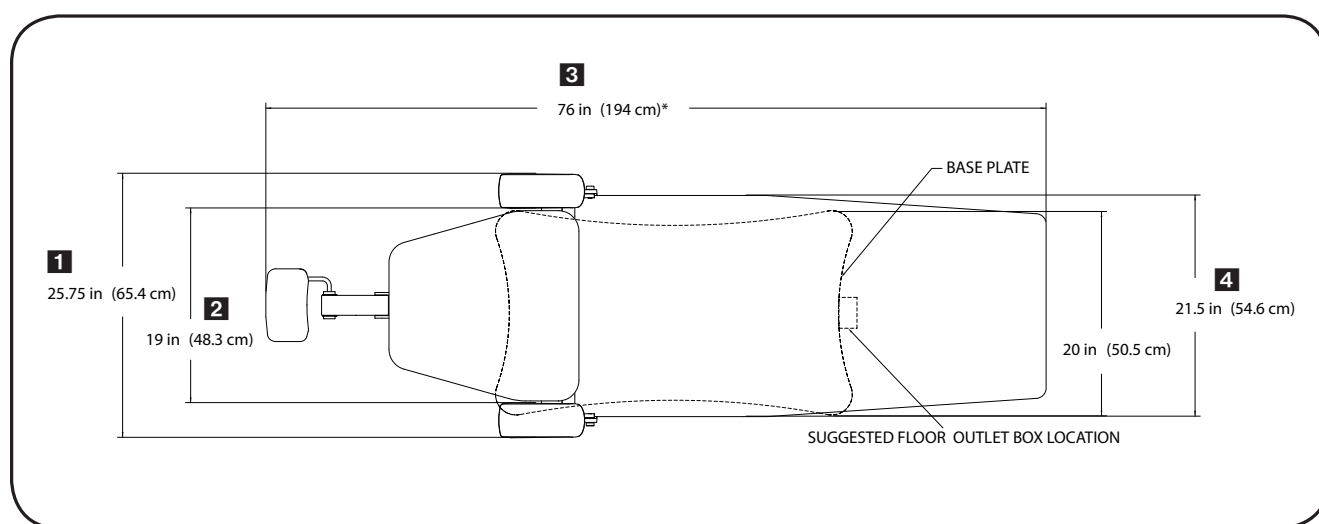
^ For High Model Chair, dimensions are increased 2" (5 cm)

§ Height will vary depending on headrest chosen and headrest adjustment



705/710

Maximum Trendelenburg:	Model 710	30°
	Model 705	Fixed 7°
Electrical Input/Power Consumption:		
Model 710		115/60, 3.5 amps
		230/50, 1.75 amps
Model 705		115/60, 2.5 amps
		230/50, 1.25 amps
Shipping Weight†:		
Model 710		363 lbs. (165 kg)
Model 705		373 lbs. (169 kg)
Listed to the Safety Standards for Medical Electrical Equipment UL 60601-1, CSA-C22.2 60601-1, and IEC 60601-1		

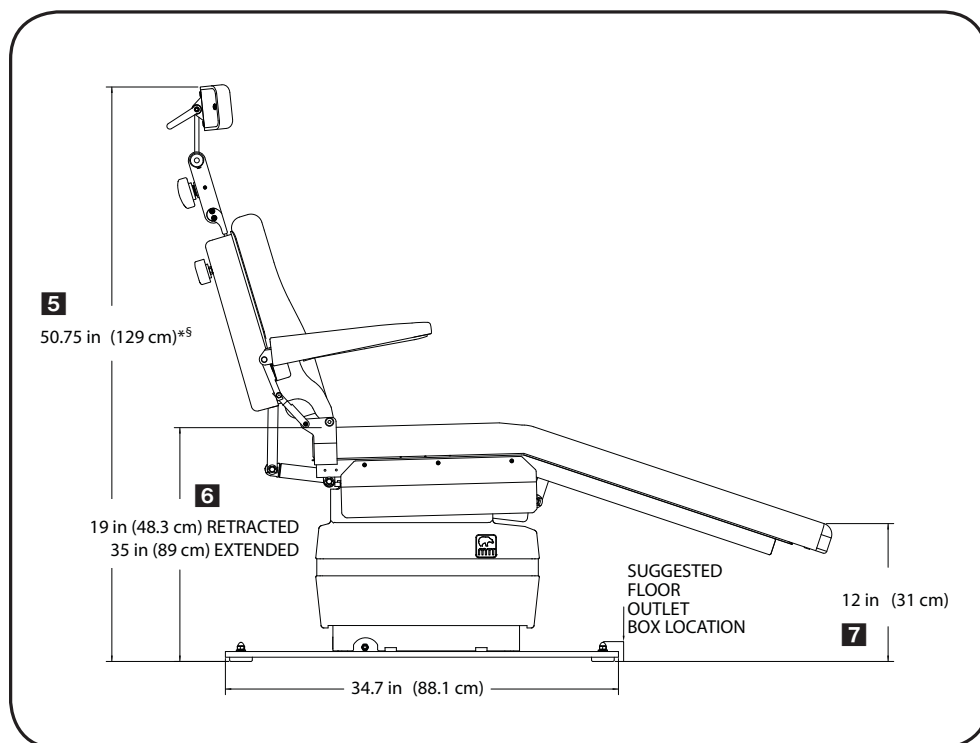


705/710

- 1** Chair width with arms
- 2** Width between arms
- 3** Chair length with prosthetic articulating headrest^s
- 4** Chair seat width
- 5** Height from headrest to floor
- 6** Height from seat cushion to floor
- 7** Height from footrest to floor

*Headrest extensions adds 6" (15.2 cm)

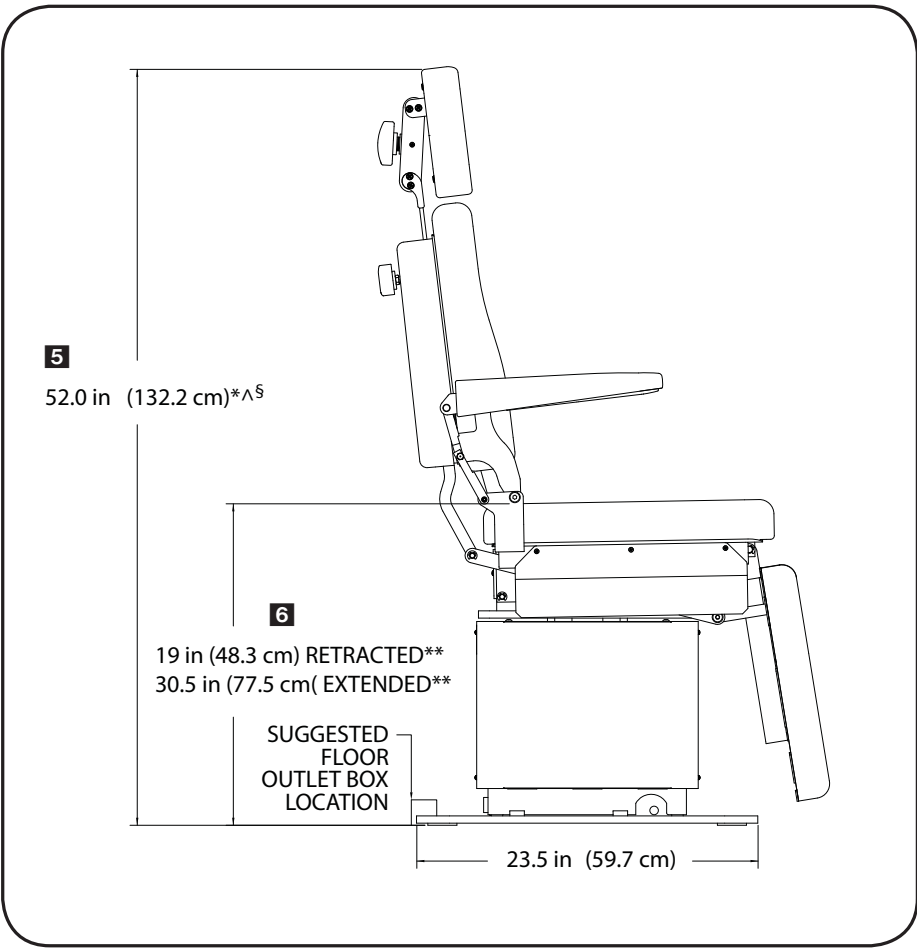
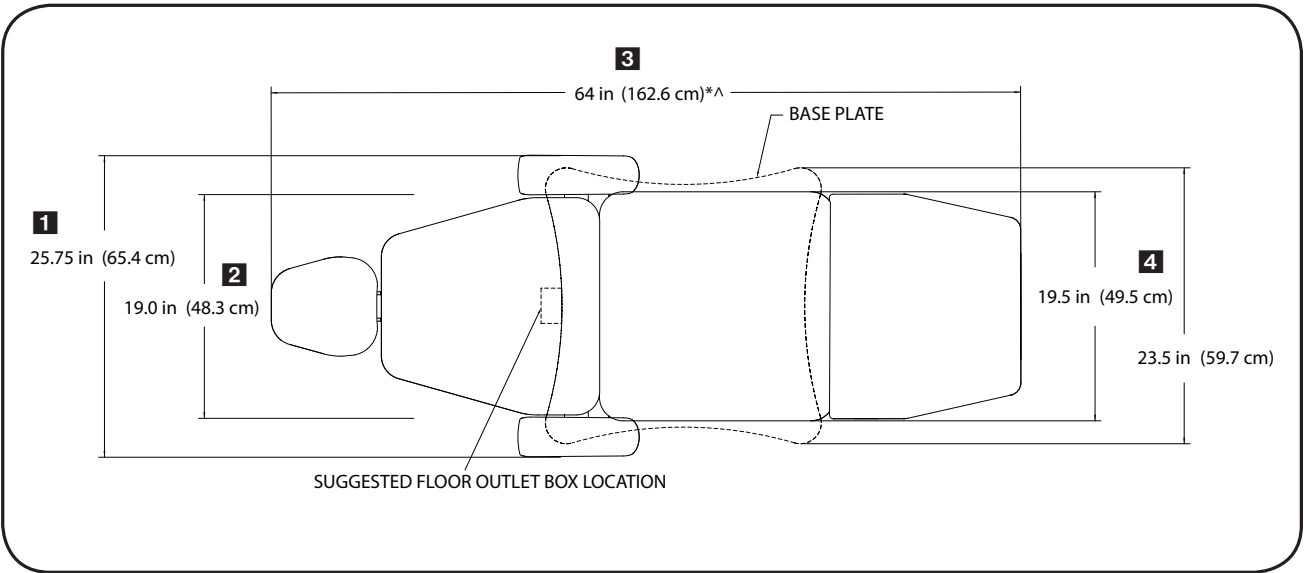
^s Height will vary depending on headrest chosen and headrest adjustment



†Weight will vary depending on options chosen.

724

Maximum Trendelenburg:	15°
Electrical Input/Power Consumption:	115/60, 3.5 amps
	220/50, 1.75 amps
Shipping weight†:	353 lbs. (160 kg)
Listed to the Safety Standards for Medical Electrical Equipment UL 60601-1, CSA-C22.2 60601-1, and IEC 60601-1	



724

- 1** Chair width with arms
 - 2** Width between arms
 - 3** Chair length with prosthetic articulating headrest*
 - 4** Chair seat width
 - 5** Height from headrest to floor
 - 6** Height from seat cushion to floor
- *Headrest extensions adds 6" (15.2 cm)
- **For High Model Chair, dimensions are 21" (53.3 cm) RETRACTED and 37" (94 cm) EXTENDED
- ^For High Model Chair, dimensions are increased 2" (5 cm)
- § Height will vary depending on headrest chosen and headrest adjustment

Specifications

421E/401

Minimum seat height:	19" (48.3 cm)
Vertical Rise:	8" (20.3 cm)
Overall Length:	
Model 421E w/o headrest extension	72" (182.9 cm)
Model 401 w/o headrest extension	43" (109.2 cm)
Headrest extension:	Add 6" (15 cm)
Seat Width:	20" (50.8 cm)
Maximum width with arms:	26" (66 cm)
Electrical input/Power consumption:	115/60, 2.5 amps
Shipping Weight:	
Model 421E	245 lbs. (111 kg)
Model 401	253 lbs. (115 kg)

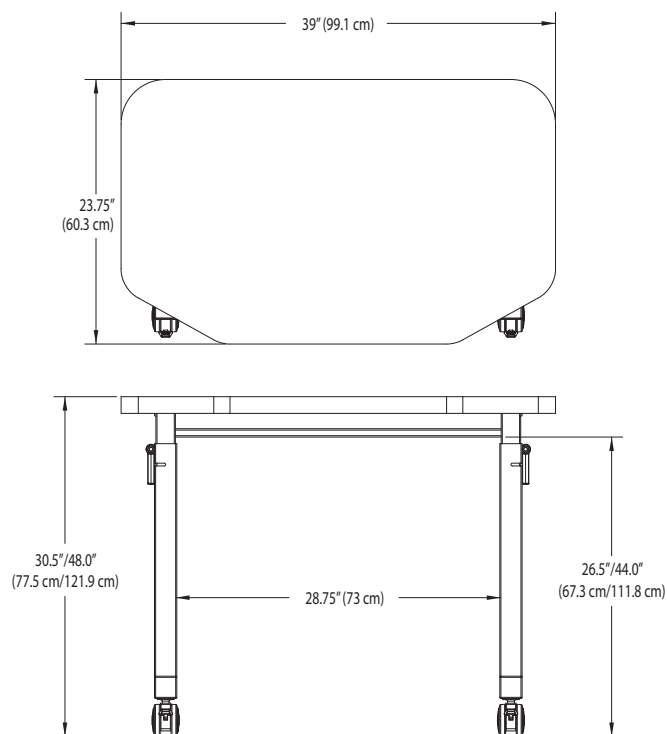
TRC600 and TRC600XL^Δ

Maximum footprint length:	76.5" (194.3 cm)
Seat Height:	21" (53 cm)
Seat Width:	
TRC600	21" (53 cm)
TRC600XL	25" (63.5 cm)
Overall Height:	49" (125 cm)
Back Height:	31.5" (80 cm)
Seat Depth:	20" (50.8 cm)
Weight:	
TRC600	94 lbs. (42.6 kg)
TRC600XL	111 lbs. (50.4 kg)
Weight Capacity:	
TRC600	275 lbs. (124.7 kg) ^Δ
TRC600XL	450 lbs. (204 kg) ^Δ
^Δ Bariatric mobile chair is available upon request.	

OSIT and MTC Cabinet

For OSIT-2000 and 2001, size and height may vary slightly.

Shipping weight:	
OSIT-1000	85 lbs. (39 kg)
OSIT-1001	92 lbs. (42 kg)
OSIT-2000	108 lbs. (49 kg)
OSIT-2001	114 lbs. (52 kg)



MTC-A and MTC-1

Overall Height (Counter top to floor):	33.5" (85.1 cm)
Overall Width:	24" (61 cm)
Cabinet Depth (Standard Model):	21" (53.3 cm)
Cabinet Depth (Slim Line Model):	18" (45.7 cm)
Shipping Weight:	199 lbs. (90 kg)

MTC-B

Overall Height (Counter top to floor):	41" (104.1 cm)
Overall Width:	24" (61 cm)
Cabinet Depth (Standard Model):	21" (53.3 cm)
Cabinet Depth (Slim Line Model):	18" (45.7 cm)
Shipping Weight:	228 lbs. (103 kg)



3655 W Ninigret Drive
Salt Lake City, Utah, 84104-6572
Toll-free 800-924-4655
Phone 801-875-4999
Fax 801-952-0548

www.mti.net

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