RADIATION PRODUCTS DESIGN

Total Body Irradiation (TBI) Stands
Item # 495-600 & 495-602

TOTAL BODY IRRADIATION STAND

Phone: 800-497-2071 or 763-497-2071 **Fax:** 763-497-2295 **Email:** sales@rpdinc.com
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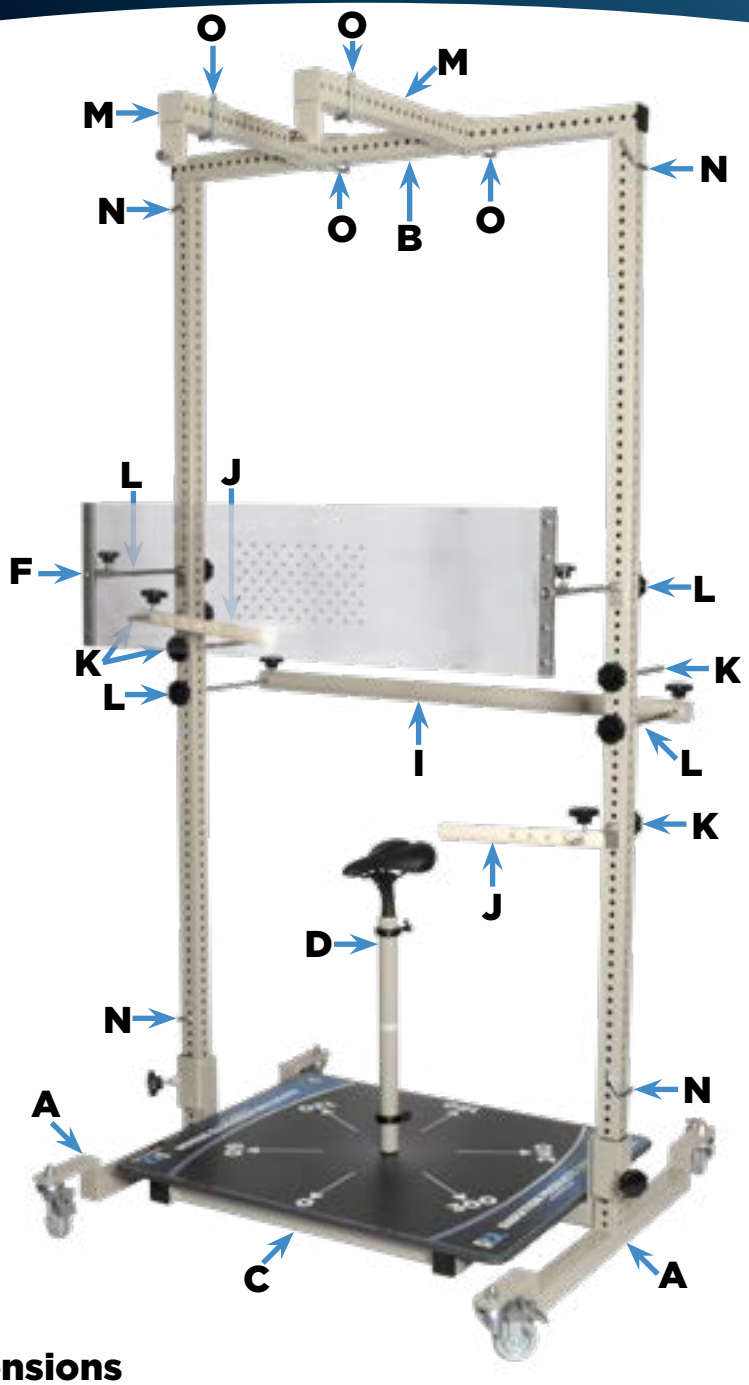

Stand Dimensions

Overall Size (W x D x H)	44" x 43 1/4" x 110"	13.41m x 13.18m x 33.53m
Platform Size (W x D)	38" x 31"	11.58m x 9.45m
Shipping Weight	202 Lbs	91.6 kg

See website for additional information on these products

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Parts Listing

Included with 495-600 and 495-602

Reference	Description	Component #	Quantity
A	Caster Leg Assembly	495-600-01	2
B	Top Brace Bar	495-600-09	1
C	Platform Support Assembly	495-600-10	1
D	Seat Assembly, Clamp/Post 26" to 32"	495-600-94	1
I	Back Rest Bar Assembly	495-600-55	1
J	Handle & Knob Assembly	495-600-60	2
K	Support Rod with Knob (Short 7.5")	495-600-70	4
L	Support Rod with Knob (Long 13.5")	495-600-75	4
M	Beam Spoiler Hanger Assembly	495-600-80	2
N	Lock Pin (1 3/4"- 2" Sq. Tube)	71-TL092EG	4
O	Lock Pin (2"- 2 1/2" Sq. Tube)	71-TL094EG	4
(Not Shown)	Round White Nylon Plugs (7/16" Hole)	13-106	20

Included with 495-600 ONLY

Reference	Description	Component #	Quantity
F	Blocking Window Assembly	495-600-40	1
(Not Shown)	Tungsten Rod 0.062"+/-.001 Dia. x .500"+/-.010	69-902	5
(Not Shown)	Block Pouring Mounting Plate	495-600-45	1

Optional Items - Not Included with Base Items

Reference	Description	Component #	Quantity
(Not Shown)	Safety Harness for Total Body Irradiation (TBI) Stands	495-6064	Not Included
(Not Shown)	*TBI Beam Spoiler-3/8" Acrylic, 38" W x 86" H	495-600-83	Not Included
(Not Shown)	*TBI Beam Spoiler-3/8" Polycarbonate, 38" W x 86" H	495-600-84	Not Included
(Not Shown)	*TBI Beam Spoiler-1/2" Acrylic, 38" W x 86" H	495-600-85	Not Included
(Not Shown)	*TBI Beam Spoiler-1/2" Polycarbonate, 38" W x 86" H	495-600-86	Not Included

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Assembly Instructions

1. Lay two "T" legs with casters on the floor.
2. Hold platform assembly vertically with zero on platform toward the floor.
3. Remove tape securing locking clamp from inside of post holes.
4. Lay locking clamp against corner with knob.
5. Slide "T" post through post hole in platform assembly. Check that locking clamp is in corner with knob.
6. Repeat for second "T" post.
7. Slide platform to bottom of post. Lock in place by tightening knobs.

1. Inset top brace into the top of the "T" posts and secure with short pins (71-TL092EG).
2. Slide platform to bottom of posts. Lock in place by tightening knobs.
3. Lock the four casters.
4. Lift stand into vertical position.

Beam Spoiler Assembly

1. Zero on platform is the front of the stand.
2. Install two Beam Spoiler posts spaced at 22" apart on the front side of the top brace using the long lock pins (71-TL094EG).
3. Slide two adjustable Beam Spoiler hangers over the spoiler posts. Use the long lock pins (71-TL094EG).
4. Hang optional spoiler plate over shoulder bolts using the keyhole slots.

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1. Determine the position of the base by the patient's height and isocenter Adjust base to the desired position by raising the base, tightening the knob, move locking pins under the base, loosen knobs, lower base to rest on pins, then tighten knobs again. Following this order will prevent any possible dropping of the base while patient is on the base.
2. Insert the post assembly into the hole in the base. Release the upper locking clamp and raise the seat until it is in the correct patient leg inseam height position, then tighten the clamp.
3. Loosen the lower clamp, rotate seat for proper seat direction, then tighten the locking clamp at the bottom of post so there is no turning motion of the seat.
4. Determine the vertical position for the handles. Insert a short rod into a post hole and tighten with the knob. Handle length is determined by the hole used to slide over the rod and the handle location on the rod is indicated by a letter. A white nylon plug (#13-106) can be inserted in the hole on the upright tube and numbered for a different position as the patient is rotated.
5. If using the polycarbonate block holder, determine the vertical position needed. Insert a long rod and tighten with the knobs. Slide the support bar onto the rods to the desired position and tighten the knobs. Record letter position. The polycarbonate tray has 4 removable tungsten pins for block placement and reference when taking port films.
6. When taking a film, determine the vertical position needed. Insert long rods and tighten with the knobs. Slide the film cassette holder onto the rods to the desired position and tighten the knobs.
7. Also included with the TBI Stand is an polycarbonate block tray for use in the block room. This tray has 4 small alignment holes and the same hole pattern as the stand block holder. This block tray is used when pouring the blocks, then a direct transfer can be made to the stand block holder.

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8. The back rest assembly can be used to give the patient something to lean their back against. This helps the patient not to move the upper body back and forth. If using the back rest assembly, determine the vertical position. Insert short rods and tighten with the knobs.

9. The white nylon plugs (#13-106) are used to mark the vertical post position of the rods. The plugs are placed in the lateral holes of the vertical post.
(They can be marked with a Sharpie pen - C = Cassette, H = Handle, B = Block Holder, S = Support Bar)

Field isodose curves can be produced by taping numbered ready-pack films to the wall, numbering wall locations and marking crosshairs, then exposing to radiation. Read the film and mark isodose 90% , 80% on film. Transfer isodose lines to film jacket and mount back on the wall. Tape a mylar sheet with crosshairs to a plain treatment tray. Turn on collimator light and rotate gantry till cross hairs align with crosshair marks on ready-pack. Transfer wall film isodose lines to mylar sheet.

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