



# MR-SAFE EQUIPMENT

Engineered for a Lifetime — Our Reputation is Stainless



PADDED STOOLS  
FOOT STOOLS  
HAMPERS  
FIVE LEG IV STANDS

MAYO STANDS  
KICKBUCKET  
SOLUTION STANDS  
INSTRUMENT TABLES





## Blickman MR-Safe Equipment: Fully-Compliant with the New ASTM Standards

Blickman has been honoring customer requests for MR-Safe Equipment since the late-1990s. Its products, legendary for high quality and supported by an industry-unique Lifetime Limited Warranty, have performed without incident. Blickman's unblemished record of safety in the imaging industry owes to its faithfully adhering to guidelines first set forth in 1997 by the Center for Devices & Radiological Health (CDHR) – Magnetic Resonance Group, part of the U.S. Food and Drug Administration.

In recent years, however, the imaging marketplace has been changing. Scanners of 3.0-Tesla strength were introduced. Interventional radiology emerged as a growing practice, with more surgical procedures than ever before being performed within the MR suite. Concerns arose: Could formerly MR-Safe Equipment keep pace with these new requirements? Could these traditional products continue to be used in safety?

The MR Task Group of the American Society for Testing and Measurement International (ASTM) addressed these concerns from August, 2005 through March, 2006. It superseded historical CDHR guidelines with its new active standards, designed to clarify what it now means for equipment to be "MR-Safe."

Previously, MR-Safe Equipment could be designated for use within particular "zones," i.e., incremental distances from what had been 0.2-to-1.5-Tesla scanners. The ASTM eliminated such incremental designations. Now all MR-Safe Equipment must be suitable for use throughout the entire MR suite, including anywhere within the vicinity of 3.0-Tesla scanners.

Moreover, all healthcare equipment now must be labeled either "MR-Safe" or "Not MR-Safe," depending upon whether it meets this new ASTM standard. This labeling is intended to help avoid any injuries or even deaths occurring within the MR suite.



### Blickman Meets the Test

Shortly after ASTM announced its new standard in March, 2006, Blickman launched rigorous testing and re-engineering of its entire MR-Safe Equipment line. It engaged specialist professionals working in independent laboratories to determine the compliance of its products. As a result of its testing Blickman temporarily removed two of its formerly MR-Safe products (which nevertheless, continue to satisfy the historical CDHR guidelines for today's more prevalent 1.5-Tesla scanners.) However, the balance of Blickman's MR-Safe Equipment passed all testing with flying colors! Blickman also integrated within its manufacturing a comprehensive marking process whereby all of its products are now visibly labeled either "MR-Safe" or "Not MR-Safe."

The bottom line? **Blickman can proudly state that all products displayed within this brochure are MR-Safe in full compliance with the new ASTM standard.** You can continue to rest assured with the unparalleled high quality and safety of Blickman MR-Safe Equipment for your MR suite!



## What Makes a Product “MR-Safe”?

Blickman manufactures its products primarily from type 304- and/or 316-grade austenitic stainless steels, which generally are regarded as non-magnetic in their original, annealed conditions. Their magnetic properties are suspended harmlessly within the body of the metal.

However, forming the metal – cutting it, bending it, welding it, grinding it, polishing it, and so forth – tends to bring the magnetizing properties back to the surface, potentially rendering it unsuitable for MR environments. In technical terms, this forming the metal induces a transformation of its microstructure, from austenite to martensite, with the resulting response to externally-applied magnetic fields classified as “diamagnetic,” “paramagnetic,” or “ferromagnetic.”

Blickman removes the magnetizing properties by solution annealing and water quenching every formed part and component. Yet, even the individual parts and components all passing their MR-Safe testing is not enough. As per the new ASTM standard, Blickman tests the entire finished product to make sure there has been nothing in its assembly to render it unsuitable for MR environments. Blickman undertakes this testing to provide you with one final measure of confidence in its MR-Safe Equipment. Our testing processes are available upon request.

Blickman also makes certain to substitute stainless-steel parts and components, such as fasteners and hinges, and to employ where appropriate, non-metal parts and components. You will note, for example, on all Blickman MR-Safe Equipment the use of two-inch, non-metal, swivel casters, manufactured specifically for MR environments. Thus, every safety precaution is taken, with the fully finished product properly tested and labeled as “MR-Safe.”

## The Broadest Product Line...

Blickman maintains the broadest line of MR-Safe Equipment in the healthcare market, with models to meet any need:

- Padded stools on rubber tips or on casters.
- Foot stools, single-platform or double-platform, with or without handrails.
- Rolling hampers, with or without plastic lids
- Rolling IV stands and mayo stands.
- Rolling solution/basin stands, with H-braces or shelves.
- Rolling kickbuckets.
- Instrument tables and utility tables in a variety of sizes, with H-braces or shelves, on glides or on casters.

## ...Backed by Blickman’s Lifetime Limited Warranty

For over three generations, Blickman has been known throughout the healthcare industry for exceptional product quality. Rather than rest on our laurels, however, we go beyond with Blickman’s industry-unique Lifetime Limited Warranty. (Please see [www.blickman.com](http://www.blickman.com) for details.) You can rest assured with Blickman’s legendary quality, knowing you made the very best choice for your healthcare facility.





THE FOLLOWING PRODUCTS ARE SUITABLE FOR ENVIRONMENTS REQUIRING MR-SAFE EQUIPMENT.



**MODEL 7445MR PADDED STOOL** has a two-inch thick vinyl upholstered seat. Choose rubber tips on four legs or two-inch MR-Safe swivel casters.

Model No.	Part No.	Dimensions	Ship Wt. (lb) est.
7445MR	1027445000	15"D 21"H	30
7445MR-C	1027445001	15"D 23"H	30



**MODELS 7757MR, 7761MR (KENT) FOOT STOOLS** are the industry standard. Fully-welded, stainless-steel construction. Offered in two sizes.

Add the **optional handrail to 41" height - Model 7757MR-HR.**

Model No.	Part No.	Dimensions	Ship Wt. (lb) est.
7757MR	1017757000	12"D 18"W 8"H	9
7757MR-HR	1017757100	12"D 18"W 8"H, (41"HR)	22
7761MR	1017761000	12"D 30"W 8"H	19
7761MR-HR	1017761100	12"D 30"W 8"H, (41"HR)	32

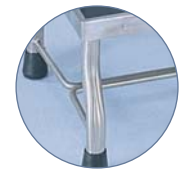
**Note:** HR denotes handrail.



**MODEL 7763MR (DONNELLY) FOOT STOOL** is our two-step version and provides a 24" x 8" top step welded to a larger base (24" x 16"). Two welded rod braces below the bottom step provide extra reinforcement. Fully-welded, stainless-steel construction.

Add the **optional handrail to 41" height - Model 7763MR-HR.**

Model No.	Part No.	Dimensions	Ship Wt. (lb) est.
7763MR	1017763000	16"D 24"W 16"H	26
7763MR-HR	1017763100	16"D 24"W 16"H, (41"HR)	39



H-Brace offers extra reinforcement.

**Option:** Handrail attachment.



**MODEL 7764MR** is designed with a larger platform. Two 41" high handrails provide easy access and comfort. Bracing below the bottom step provides extra reinforcement.

Model No.	Part No.	Dimensions	Ship Wt. (lb) est.
7764MR	1012041096	Base - 36"L 24"W 8"H Top step - 36"L 12"W 8"H	115

Bracing below the bottom step offers extra reinforcement.



**MODELS 7772MR, 7772MR-PL HAMPERS** have a round tubular ring that is seamlessly welded to three legs. A solid, round platform on the bottom acts as a bracing and protects the hamper bag from contact with the floor. A reinforced, dome-shaped lid of high-density, white polyethylene (Model 7772MR-PL) is recommended to control airborne pathogens. All hampers move easily over floors on two-inch MR-Safe swivel casters.

Model No.	Part No.	Lid	Dimensions (overall)	Ship Wt. (lb) est.
7772MR	0927772400	none	20"D 35"H	20
7772MR-PL	0927772600	plastic	22"D 36-1/2"H	40

**Optional Hamper Bags**

HB18	9839777201	18" diameter bags
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**MODEL 7792MR FIVE-LEG IV STANDS** feature a stainless-steel post that sits on a 24" diameter, polished die-cast aluminum base with wall-saver end caps to protect against scuffmarks. All five-leg IV poles offer a two- or four- hook interchangeable ram's horn. Stands travel on two-inch MR-Safe swivel casters. **Optional 1381MR push handle is available.**

Model No.	Part No.	Type of Adjustment	Hooks	Height Adj.	Casters	Ship Wt. (lb) est.
7792MR-C	0537792002	Twist lock	2	74"-110"	2"	35
7792MR-4C	0537792004	Twist lock	4	74"-110"	2"	35



**MODEL 7741MR MAYO STAND** is a superior choice for value-conscious customers. Adjustments are made with a Tru-Loc™ friction knob for manual locking at desired height. Stands travel on two-inch MR-Safe swivel casters. Two tray sizes.

Model No.	Part No.	Feature	Height Adjustment	Tray Size	Ship Wt. (lb) est.
7741MR-C	0637741200	Tru-Loc™ knob	39-1/2"-62"	13-3/4" x 19"	45



**MODEL 7766MR KICKBUCKET** has a continuous encircling rubber bumper with stainless-steel cross braces that provide excellent protection for the receptacle. Constructed from heavy-gauge MR-Safe stainless-steel, this 13-qt. pail fits perfectly into a tip-resistant base protected by rubber tips for smooth handling and noise reduction. Stands travel on two-inch MR-Safe swivel casters.

Model No.	Part No.	Dimensions	Capacity	Ship Wt. (lb) est.
7766MR	0817766066	16"D 12-1/2"H	13 qt.	15



**MODEL 7807MR SOLUTION STAND** has a single basin with supporting frame connected by your choice of a bottom shelf or H-brace. The stainless-steel basin has large 8-1/2-qt. capacity yet is unusually quiet when dropped into the circular ring. Rubber bumpers are placed strategically inside the ring to reduce noise from metal-to-metal contact. The stand travels quietly on two-inch MR-Safe swivel casters.

Model No.	Part No.	Feature	Dimensions	Ship Wt. (lb) est.
7807MR	0717807066	shelf	15"W 15"L 33"H	25



**MODEL 7842MR INSTRUMENT TABLE.** New and improved design offers complete 18-gauge, type 304 stainless-steel construction. Lightweight, yet extremely durable. Sanitary closed top hem prevents bacterial build-up. Sealed reinforcing channels provide structural rigidity. 1-1/4"-diameter legs are fully welded for strength and stability. H-braces are fully welded around the legs with no crevices for dirt to collect. All tables travel easily on two-inch, MR-Safe casters.

Model No.	Part No.	Feature	Dimensions	Ship Wt. (lb) est.
7842MR	0127842002	MR casters	36"L 20"W 34"H	55

**Options:** Other sizes are available – consult factory.



## TEST SPECIFICATIONS

All Products in this Blickman “MR-Safe Equipment” brochure meet the revised “MR-Safe” definition as stated in ASTM standard F2503.

The configuration/design safety of the components of these Blickman products in the MR environment were verified in accordance with ASTM standard F2052-06: “Measurement of Magnetically-induced Displacement Force in the MR Environment.”

The “paramagnetic” material property constraints of these Blickman products were determined through the test conducted by an independent lab in accordance with ASTM standard A773/A773M-01, employing a computer-automated, soft-magnetic, hysteresigraph system.

A low- $\mu$  permeability indicator gage, in compliance with ASTM standard A342/A342M, is used for final factory acceptance of these Blickman products.

Identification of these Blickman products conforms to the ASTM standard F2503-05: “Marking Medical Devices and Other Items for Safety in the MR Environment.”

**PRODUCT LISTING****MR-Safe Equipment**

<b>Model No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Ship Wt. (lb) est.</b>
7445MR	1027445000	MR Padded Stool 15"D (38.10) 21"H (53.34) on Rubber Tips	30*
7445MR-C	1027445001	MR Padded Stool 15"D (38.10) 23"H (58.42); 2" (5.08) MR Swivel Casters	30*
7757MR	1017757000	Foot Stool 12"D (30.48) 18"W (45.72) 8"H (20.32)	9*
7757MR-HR	1017757100	Foot Stool 12"D (30.48) 18"W (45.72) 8"H (20.32) with 41"H (104.14) Handrail	22*
7761MR	1017761000	Foot Stool 12"D (30.48) 30"W (76.20) 8"H (20.32)	19*
7761MR-HR	1017761100	Foot Stool 12"D (30.48) 30"W (76.20) 8"H (20.32) with 41"H (104.14) Handrail	32*
7763MR	1017763000	Donnelly Foot Stool 16"D (40.64) 24"W (60.96) 16"H (40.64)	26*
7763MR-HR	1017763100	Donnelly Foot Stool 16"D (40.64) 24"W (60.96) 16"H (40.64) with 41"H (104.14) Handrail	39*
7764MR	1012041096	Double Step Stool with Two 41"H (104.14) Handrails	115
7772MR	0927772400	MR Hamper 20"D (50.80) 35"H (88.90) overall ; 2" (5.08) MR Swivel Casters	20*
7772MR-PL	0927772600	MR Hamper 20"D (50.80) 36.5"H (92.71) overall with Plastic Lid; 2" (5.08) MR Swivel Casters	40*
HB-18	9839777201	18" (45.72) diameter Hamper Bags	
7792MR-C	0537792002	Five-Leg IV Stand with Two Hooks; 2" (5.08) MR Swivel Casters	35*
7792MR-4C	0537792004	Five-Leg IV Stand with Four Hooks; 2" (5.08) MR Swivel Casters	35*
7741MR-C	0637741200	MR Mayo Stand- 13-3/4"D (34.93) 19"W (48.26) Tray; 2" (5.08) MR Swivel Casters	45*
7766MR	0817766066	MR Kickbucket; 12-1/2 qt. (31.75) Pail; 2" (5.08) MR Swivel Casters	15*
7807MR	0717807066	MR Solution Stand with Shelf 15" (38.10) W 15"L (38.10) 33"H (83.82)	25*
7842MR	0127842002	MR Instrument Table with H-Brace; 2" (5.08) MR Swivel Casters 36"L (91.44) 20"W (50.80) 34"H (86.36)	55
1381MR	3537426350	Push handle for Models 7792MR, 7792MR-4 five-leg IV stands	2

\* Items can be shipped via FedEx® Ground delivery service.



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