

Shank's Veterinary Equipment, Inc. Company History

Shank's Veterinary Equipment, Inc., originally Shank's Machine Co., Inc., began manufacturing large animal surgery tables in 1957. The company initially manufactured one simple table that could handle a partially sedated large animal and lay it from a standing position to its side. The Shank's Douglas Tiltmaster Table (commonly referred to as the Shank's Tilt Table) became the industry standard for the large animal veterinarian.

In 1978, to accommodate a changing veterinary industry, Shank's introduced the *Shank's *Floor Model Surgery Table*. It was smaller, more versatile and quite different than the *Douglas Tiltmaster*. Introduced in two different models, the concept for this table was based on scissor-type lifting, allowing for the safe and steady lifting of heavy loads. The stationary floor model was designed to be incorporated into a recessed pit in the floor, allowing the practitioner to utilize the same room for induction, surgery and recovery. The completely mobile portable floor model was one that could support a larger practice equipped with separate induction, surgery and recovery rooms. A variety of optional extremity supports were also introduced in response to the changing needs of the large animal surgeon. These accessories allowed for positioning of the animal in either dorsal or lateral recumbency, and also related to specific surgery procedures commonly performed.

In 1988, Shank's introduced the *Shank's* "*Dorsal/Lateral Equine Table*. This table was designed specifically to meet the specialized needs of the equine veterinary practitioner. With the introduction of their one-of-akind, innovative multi-section table to surface, Shank's has now set the standard for the industry. While other companies have attempted to replicate this "wing style" design, none have been successful and Shank's continues to be unmatched in innovation.

As the company continued to grow and solidify itself as industry leader, Shank's expanded into other areas of the large animal market, adding customized surgery tables, necropsy tables, stocks, and transfer carts to its product line. The most recent addition in 2004 was the *Shank's® Large Animal MRI Table*. Using pneumatics as its lifting source, this non-magnetic MRI table is able to function and provide height adjustment within the magnetic field of the MRI machine, an accomplishment unique to Shank's.

Recognizing an additional void in the large animal surgery market, Shank's began manufacturing and actively marketing a line of heavy duty recovery stall doors, induction/crowding gates, deadbolt door locks and restraint rings. The company looked to its long history of designing products to protect and support large animals, and based the design and function of these specialized fabricated metal goods on more than 50 years of experience in this specialized market. Shank's product line does not end here, the company offers a variety of other surgery related items such as padded recovery hoods, lifting hobbles, foam positioning pads and much more.

Today, Shank's Veterinary Equipment, Inc. has a product line of 15 standard tables, and continues to adapt when needed to supply customized versions of these tables. The different table models are tailored to meet the needs of a variety of large animal veterinary practices. In addition, Shank's continues to expand its clientele by partnering with a growing number of research and exotic animal facilities around the world.

Shank's has made dramatic strides, based on both engineered improvements and customer feedback, so that it now manufactures the premium equine surgery table available today. In a world where quality can get lost in high volume automated production, the company has not lost sight of the true value of hand built, quality made, competitively priced products. Because all items are hand built in the company's facility, Shank's has the unique ability to easily customize products during production, which sets it apart from its competitors. The company has sold and/or installed equipment in over 30 countries and in over 145 U.S. and international universities and zoological facilities. In the past 59 years, Shank's has continued to redefine the industry, developing one-of-a-kind products, expanding their global presence, and offering a variety of innovative and customized products for

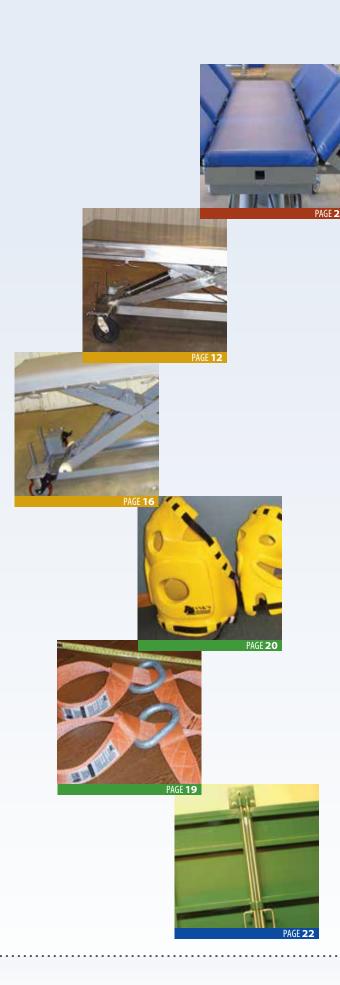
1988

2004

2016

large animals across the world.

Lifting Large Animals Since 1957.



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Dorsal/Lateral Equine Table

The Shank's Dorsal/Lateral Equine Table was first built in 1988 and was specifically designed for the equine surgeon. It was designed to provide 4-way tilt capability, and versatile support for both lateral and dorsal positioning via the innovative design of the wing-style sectioned table top. This table was first introduced in a Cylinder Base model. In 1990, the company introduced the Scissor Base model. This model combined the scissor lift concept of the original Shank's Floor Model Surgery Table with the versatile sectioned top of the original Shank's Dorsal/Lateral Cylinder Base Equine Table. The Scissor Base model allows the table to reach a reduced lowered height to provide additional clearance for overhead lifting and loading of the animal onto the table.

By utilizing both the standard and optional accessories, both models can easily be adapted to support an animal in either dorsal or lateral recumbency.

Available Models

- Shank's Dorsal/Lateral Cylinder Base Equine Table
- Shank's Dorsal/Lateral **Scissor Base** Equine Table

Load Rating

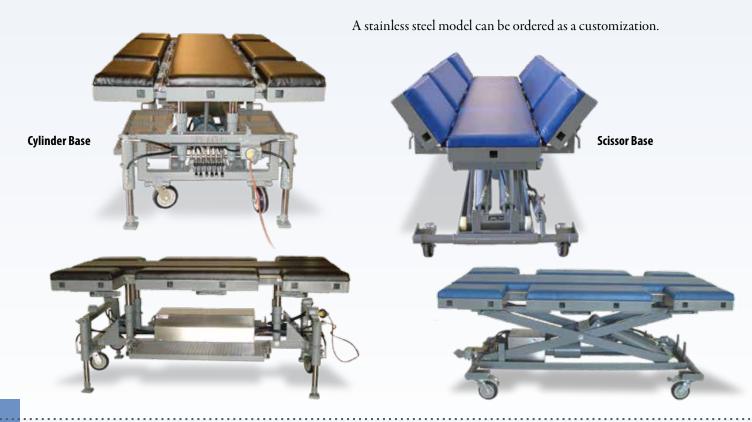
Both models are rated for 2,500 lbs. (1,134 kg)

Table Top and Structural Frame

The main frame of either model is made of structural steel. The padded top has a **total lateral surface area of 46" x 84"** (117cm x 213cm). The table is equipped with a center bed and six hinged fold-up wings. The corner wings are 12" wide by 18" long and the center wings are 12" wide by 36" long. Both center wings are completely removable to provide closer access to the animal. All sections of the table top are equipped with affixed padding. The four corner dorsal wings are hinged on a supporting bar and can slide up against the center wing or can provide the full 84" of length support. All wings have five different tilt positions via a manual prop bar.

Both tables are equipped with **6" heavy duty swivel casters** for ease of movement within a clinic setting.

The structural metal frame of the table has a **hot dip galvanize coating**. This coating is a process whereby the metal components are dipped into molten zinc at approximately 850°F. This results in a formation of a zinc and zinc-iron alloy coating which is metallurgically bonded to the steel. Visually, the coating may have a matte gray appearance which is duller than a typical bright finish. Testing shows that hot dip galvanized steel has an average of 10 years of protection to 5% rust. The galvanized coating is then painted with an acrylic enamel topcoat for additional protection.



Hydraulic System and Operation

Both models have a **self-contained hydraulic system**. Tables built for use on 110V/60 cycle power are equipped with a mounted 3-prong grounded receptacle box for attachment of the customer supplied electrical extension cord. Tables built for use on electric voltage other than 110V/60 cycle are equipped with a 20 foot (6M) power cord along with a country specific plug to allow the end user to access power in their specific country. A simple on/off electrical switch controls the entire system.

Cylinder Base

The hydraulic system for the Cylinder Base consists of a 1 HP, 1½ gallon reservoir self-contained power unit complete with a 6-bank hand control valve that controls all hydraulic functions. The table functions are performed by a total of eight hydraulic cylinders. Four of the valve levers control the four bottom/outside cylinders individually or in combinations. The remaining two valve levers control the four top/inside cylinders and run them in pairs. This model can be placed in a stationary position (by engaging the four outside cylinders) to prevent unintended movement during procedures. It can also achieve 2-way or 4-way tilt via manipulation of the cylinders in various positions.

Scissor Base

The hydraulic system for the Scissor Base consists of a 1HP, 1 gallon reservoir self-contained power unit complete with a 3-bank hand control valve that controls all hydraulic functions. The table functions are carried out by a total of four hydraulic cylinders. The table top is raised and lowered independently with one valve lever, and the casters pairs are retracted independently on each end with the other two valve levers. This model can be placed in a stationary position (by retraction of all casters) to prevent unintended movement during procedures. It can achieve 2-way tilt (in either direction) by retraction of one pair of casters.



Standard Accessories

Both Dorsal/Lateral equine tables come with the following standard accessories:

- Adjustable flat extension (22" x 26"/56cm x 66cm) commonly used for the head
- Set of four dorsal leg poles with tie loops
- Square tube offset bracket for the offset placement of the adjustable flat extension
- Leverage bar to aid in wing tilt during animal positioning

Hand adjusted thumbscrews secure all extensions into the square ports located on the perimeter of all sections of the table top. Thumbscrews also secure the adjustable portions of the extensions with separate movable parts.

Lateral Positioning (minimum required)

To support an animal in lateral recumbency, the **adjustable flat extension** is used to support the head.

Dorsal Positioning (minimum required)

To support an animal in dorsal recumbency, either the adjustable flat extension or the optional V-head extension are required for head support. The legs are secured by the set of four leg poles and tie loops.

Optional Accessories

See pages 6-9 for an itemized listing of optional accessories available.



Standard Accessories: dorsal leg poles

Floor Model Surgery Table

The Shank's* Floor Model Surgery Table was first built in 1978 and was based on the scissor-type lifting concept for raising and lowering. It was initially designed so it partnered with the induction/recovery room floor to allow the practitioner to combine their induction/surgery/recovery into one room. Hence, the name "Floor Model" was given to the table. This table, when introduced, was available in two different models – **stationary** model and **portable** model. In the early 1990's a third model was introduced – the **modified portable** model. This third model reduced the hydraulic functions that were included on the portable model. In turn, it reduced its cost and made the modified portable model the least expensive mobile large animal surgery table on the market.

By utilizing both the standard and optional accessories, all models can easily be adapted to support an animal in either dorsal or lateral recumbency.

Available Models

- Shank's Stationary Floor Model Surgery Table
- Shank's **Modified Portable** Floor Model Surgery Table
- Shank's **Portable** Floor Model Surgery Table

Load Rating

All model tables are rated for 2,500 lbs. (1,134 kg)

Table Top and Structural Frame

The main frame of all models is made of structural steel. The padded top is **36" wide by 72" long** (91cm x 183cm) and is equipped with affixed padding. The top has square ports located around the perimeter of the table, to allow for insertion of all removable accessories.

Both the modified portable and the portable models are equipped with **6" heavy duty swivel casters**. The Stationary model is permanently anchored to the floor of the recessed pit and is not movable.

The structural metal frame of the table has a **hot dip galvanize coating**. This coating is a process whereby the metal components are dipped into molten zinc at approximately 850°F. This results in a formation of a zinc and zinc-iron alloy coating which is metallurgically bonded to the steel. Visually, the coating may have a matte gray appearance which is duller than a typical bright finish. Testing shows that hot dip galvanized steel has an average of 10 years of protection to 5% rust. The galvanized coating is then painted with an acrylic enamel topcoat for additional protection.



Hydraulic System and Operation

All models have a self contained hydraulic system. Tables built for use on 110V/60 cycle power are equipped with a mounted 3-prong grounded receptacle box for attachment of the customer supplied electrical extension cord. Tables built for use on electric voltage other than 110V/60 cycle are equipped with a 20 foot (6M) power cord along with a country specific plug to allow the end user to access power in their specific country. A simple on/off electrical switch controls the entire system. The Stationary model requires on site wiring and electrical hookup to complete installation.

Stationary

The hydraulic system for the stationary model consists of a 1HP, 1-gallon reservoir self-contained power unit complete with a 1-bank hand control valve that controls all hydraulic functions. These items are remote located from the table/pit. The table functions are carried out by a total of two hydraulic cylinders. The table top is raised and lowered with the single valve lever. A custom pit must be constructed to support this table, and allow for proper functioning on site.

Modified Portable

The hydraulic system for the modified portable model consists of a 1HP, 1 gallon reservoir self-contained power unit complete with a 1-bank hand control valve that controls all hydraulic functions. The table functions are carried out by a total of two hydraulic cylinders. The table top is raised and lowered with the single valve lever. The casters on this model are not retractable, so that the table is always on the wheels.

Portable

The hydraulic system for the portable model consists of a 1HP, 1 gallon reservoir self-contained power unit complete with a 3-bank hand control valve that controls all hydraulic functions. The table functions are carried out by a total of four hydraulic cylinders. The table top is raised and lowered independently with one valve lever, and the caster pairs are retracted independently on each end with the other two valve levers. This model can also be placed in a stationary position (by retraction of all casters) to prevent movement during procedures. It can achieve 2-way tilt (in either direction) by retraction of one pair of casters.

Standard Extensions/Accessories

All models of the table come with the following standard accessories:

 Set of three flat extensions (22" x 26"/56cm x 66cm) – for head and leg support in lateral recumbency

Hand adjusted thumbscrews secure all extensions into the square ports located on the perimeter of the table top. Thumbscrews also secure the adjustable portions of the extensions with separate movable parts.

Lateral Positioning (minimum required)

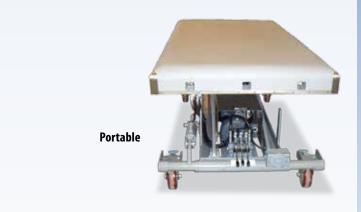
To support an animal in lateral recumbency, one or more of the flat extensions are used.

Dorsal Positioning (minimum required)

To support an animal in dorsal recumbency, either one of the flat extensions or the optional V-head extension is required for head support. The animal is positioned, and the legs are secured by the optional set of four leg poles, dorsal padded props, and tie loops.

Optional Accessories

See pages 6-9 for all optional accessories available for use with this table, and also optional features to customize the size and configuration of the table top.





Equine and Surgery Table Optional Accessories

7' Padded Top

Floor models only

This option alters the size of the table top and makes it 84" (213cm) long instead of 72"(183cm) long.

Removable Cutouts Modified Portable and Portable floor models only



This option alters the layout of the table top surface. It provides for removable cutouts in the center of each long side of the padded table top surface. The cutouts are secured with thumbscrew and when removed, provide a 6" deep x 24" wide (15cm x 61cm) access area to the animal.

Flat Extensions 8" x 16" (20cm x 41cm) 12" x 20" flat (30cm x 51cm) Dorsal/Lateral models only



These flat extensions can be used for additional lateral extremity support.

V Head Extension



This head support has removable 9" x 14" (23cm x 36cm) side pieces to allow for access to eyes or ears. If both side panels are removed, the remaining 12" x 26" (30cm x 66cm) center piece can also be used as an additional flat extension. The entire support can be tilted to varying angles or can be flat/flush with the table surface.

Small Shoulder Extension Floor models only



This triangular-shaped extension is designed to be used in conjunction with a flat extension for additional support of the shoulder of a large animal that may extend over the side of the table top. The extension can be flipped and used on either side for additional versatility, depending on animal placement.

Leg Poles, Dorsal Padded Props and Tie Loops (set of 4 each)

Floor models only



This set of accessories allows for dorsal positioning of an animal. Two leg poles are 48"(122 cm) tall and two are 60" (152cm) tall. The dorsal props are 9" x 11" (23cm x 28cm) in size and are fully padded. The padded props can slide up and down on the supporting leg pole and be secured at any position. In addition, four tie loops are furnished to be used in conjunction with each leg pole to secure one or more feet. The tie loops slide up and down the pole and can be secured at any position, and are designed to receive a customer supplied leg rope for securement.

SS Intestinal Tray



This tray is completely stainless steel and has a usable flat surface that is 16" wide x 39" long (41cm x 99cm). The tray has raised sides to help retain fluids. The bottom support structure is fabricated from structural steel. The tray is adjustable in height. The tubing piece that inserts into the table port and holds the base of the tray has two different spacer rings. These rings allow the tray to be placed at two different distances from the table to accommodate different size animals. The tray can also swivel. Another common use of this tray is as an instrument tray.

Free Standing Base



This movable base supports the stainless steel intestinal tray, and allows it to be free standing, and move separately from the surgery table. The base is equipped with casters and stabilizing legs.

Lateral Arthroscopic Leg Bracket



This telescoping extension has a padded "U" cup for support of the animal's leg during lateral arthroscopic surgery. The padded "U" cup can be locked in a stationary position, or it can be free swiveling. The structure supporting the "U" cup adjusts in height, adjusts in distance from the Table surface, and can also swing a full 180 degrees to provide unlimited positioning.

Simple Lateral Bracket



This is a simplified version of our Lateral Arthroscopic Bracket. It has the same padded cup, but the telescoping functions are eliminated. It has height adjustment capabilities, and the padded cup can be in a stationary position or free swiveling.

Dorsal Arthroscopic Leg Brackets (2)



These extensions are designed for attachment to the leg tie poles and are to be used for support of the animal's front legs in dorsal recumbency. The extensions have several adjustment positions.

Bilateral Hind Limb Support Dorsal/Lateral models only



This support is designed to be attached to the table on the rear end when the animal is positioned in dorsal recumbency. The support can receive two leg poles that can be adjusted in positioning.

Equine and Surgery Table Optional Accessories

T-Handle



This removable T handle is used to aid in pushing and movement of the table within a clinic environment.

Round Tube Cross Pipe



This extension is designed to be affixed to two of the dorsal leg poles and run horizontally over top of the table. The cross pipe can be moved to any height on the supporting leg poles. It comes with customized double loops that pivot to allow for attachment of this extension to the supporting leg poles regardless of their tilt position on the table. The tie loops can also be attached to this extension if preferred. A common use would be additional pole for dorsal tie off of the feet, or hanging of an IV bag.

SS IV Pole



This stainless steel extension has two hooks on the top for hanging an IV bag. It is 48" (122cm) in height and will fit into any table port. It can also be attached directly to a lateral flat or the v-head extension if necessary.

Padded Props (set of 2) Dorsal/Lateral models only



These props are designed to be attached to two leg poles and provide additional front shoulder support of an animal, when the table wings do not provide adequate support. They are most commonly used when smaller animals are placed on the table.

SS IV Pole with Breathing Circuit Support



This stainless steel extension has two hooks to support an IV bag. It is 48" (122cm) in height and will fit into any table port, or can also be attached directly to a flat extension or the V-Head Extension. The extension is equipped with a height adjustable stainless steel breathing circuit support that can support all anesthesia tubes.

Recovery Hoods



These padded, vinyl coated hoods provide head protection during recovery or transportation. See page 20 for additional information on this optional accessory.

D/L Removable Step(s)

Dorsal/Lateral Cylinder Base

model only



These platform steps attach to receiving brackets mounted on the table base frame. Because the Cylinder Base table has the highest lowered height of all Shank's tables, these steps allow the surgeon to gain height above the animal during procedures. The steps can be removed when not in use. The table comes equipped with the receiving brackets as a standard feature, and 1 or 2 steps can be purchased.

Looped Hobble Sets



These inexpensive hobbles are a quick and easy lifting mechanism to use in conjunction with an overhead hoist for lifting of an anesthetized animal. See page 19 for additional information on this optional accessory.

Storage Carts
P/S Storage Cart – Floor models only
D/L Storage Cart – Dorsal/Lateral
models only



These movable carts have been designed to hold all extensions while not in use to minimize wear and tear, and to make it easier to move all extensions into and out of the surgery room. The cart comes with four swivel casters and a handle.

Foam Pads



wedge pads



These pads are used to provide additional cushioning and support for the sedated animal. See page 18 for additional information on this optional accessory.



Photo courtesy of Steinbeck Country Equine, Salinas, CA

Equine and Surgery Table Comparison Chart

Table	Load Rating	Size	Lowered Height	Raised Height
Dorsal/Lateral Cylinder Base Equine Table	2,500 lbs. (1,134 kg)	lateral surface area: 46" wide x 84" long (117cm x 213cm) dorsal surface area: center bed = 18" wide x 84" long (46cm x 213cm)	22-1/2" (57 cm)	39" (99 cm)
Dorsal/Lateral Scissor Base Equine Table	2,500 lbs. (1,134 kg)	lateral surface area: 46" wide x 84" long (117cm x 213cm) dorsal surface area: center bed = 18" wide x 84" long (46cm x 213cm)	15-1/2" (39cm)	48" (122 cm)
Stationary Floor Model Surgery Table	2,500 lbs. (1,134 kg)	standard table top 36" wide x 72" long (91cm x 183cm) optional table top 36" wide x 84" long (91cm x 213cm)	flush with surrounding surgery room floor when lowered	48" (122 cm)
Modified Portable Floor Model Surgery Table	2,500 lbs. (1,134 kg)	standard table top 36" wide x 72" long (91cm x 183cm) optional table top 36" wide x 84" long (91cm x 213cm)	15" (38cm)	48" (122 cm)
Portable Floor Model Surgery Table	2,500 lbs. (1,134 kg)	standard table top 36" wide x 72" long (91cm x 183cm) optional table top 36" wide x 84" long (91cm x 213cm)	14" (36cm)	48" (122cm)

Special Feature(s)	Padding	Tilt Capabilites	Casters	Standard Accessories
six hinged fold up support wings (center wings are removable)	top has affixed 1-1/2" ensolite® foam with 18 oz. vinyl coated nylon fabric (color - royal blue, other colors available)	four-way tilt via hydraulics	four 6" heavy duty swivel casters; table can be placed in stationary position by engaging outside cylinders	 1 adjustable flat extension set of 4 dorsal leg poles & tie loops leverage bar square tube offset bracket
six hinged fold up support wings (center wings are removable)	top has affixed 1-1/2" ensolite® foam with 18 oz. vinyl coated nylon fabric (color - royal blue, other colors available)	two-way tilt via hydraulics	four 6" heavy duty swivel casters; table can be placed in stationary position by retraction of casters	 1 adjustable flat extension set of 4 dorsal leg poles & tie loops leverage bar square tube offset bracket
designed to fit into a recessed pit in surgery room floor	top has affixed 1-1/2" ensolite® foam with PVC covering (color - gray, no other colors offered)	none	none; table permanently anchored to the floor of the recessed pit and is not movable	Set of 3 flat extensions (to be used for head and leg support)
optional 6" deep x 24" removable cutouts can be formed on table top (15cm x 61cm)	top has affixed 1-1/2" ensolite® foam with PVC covering (color - gray, no other colors offered)	none	four 6" heavy duty swivel casters	Set of 3 flat extensions (to be used for head and leg support)
optional 6" deep x 24" removable cutouts can be formed on table top (15cm x 61cm)	top has affixed 1-1/2" ensolite® foam with PVC covering (color - gray, no other colors offered)	two-way tilt via hydraulics	four 6" heavy duty swivel casters; table can be placed in stationary position by retraction of casters	Set of 3 flat extensions (to be used for head and leg support)

Large Animal MRI Table

The Shank's Large Animal MRI Table was designed support an animal during MRI scanning. This table, when introduced, was the first table on the market that provided both large animal support, and pneumatic height adjustment during MRI scanning. The table is fabricated from non-magnetic stainless steel. The table is completely mobile via casters and has a self contained pneumatic system that requires a customer supplied air source.

Load Rating

The table is rated for 2,500 lbs. (1,134 kg)

Table Top and Structural Frame

The standard size table top is **42" wide x 84" long** (107cm x 213cm) and is equipped with a variety of ports to allow attachment of optional extremity supports. The base of the table has a scissor lift design that provides steady even raising of the table top. It is comprised completely of non-magnetic stainless steel. The table is mobile via 8" swivel casters.



Large Animal MRI Table



Pneumatic System and Operation Range

The pneumatic system for Shank's Large Animal MRI Table consists of a pneumatic lifting mechanism and a cylinder rod lock for stabilization of table during raising and lowering, and also as a security measure. The raising and lowering of the table is controlled by a hand control pneumatic valve. Simple quick couplers are included to provide easy attachment to the customer furnished air compressor. The system has in line check valves to regulate pressure of the self contained system.

The pneumatic system on this table requires 4 cubic feet per minute (4 CFM) of compressed air at 100 PSI. The system requires a minimum pressure of 85 PSI for proper function and operation of the table. System pressure cannot exceed 125 PSI. A simple in line water separator can be incorporated into the air compressor system, but it is not a requirement for proper function of the table. The customer is responsible for furnishing the compressed air source to operate the table.

The table has **height adjustment of approximately 14**". The fully lowered height of the table is approximately 17"; and the raised height is 31". These measurements do not take into account the foam pads that are included as standard equipment.

Standard Accessories

The table comes with the following standard accessories:

- Flat extension (22" x 26"/56cm x 66cm)
- Square tube offset bracket for the offset placement of the flat extension
- 25' air hose with a matching quick coupler
- 10" (25cm) foam pad for flat extension and 10" foam pad for table top

Hand adjusted thumbscrews secure all extensions into the square ports located on the perimeter of the table top.

Optional Accessories/Features

The size of the table top can be altered, if necessary, to meet customer specifications. Optional floor locks can be incorporated on the base frame to allow for stabilization of the table during scanning, if required. A variety of other accessories are offered to be used in conjunction with this table. They include an additional flat extension, lateral padded leg cup, and additional foam pads.

Rectangular Necropsy Table

The Shank's Rectangular Necropsy Table was designed for post mortem dissection of a large animal. The table is equipped with a completely stainless steel top. **The table has a scissor-action lift design, and is equipped with 2-way tilt capability.** The table is mobile via casters and can easily be placed in a stationary position during necropsy procedures. It has a self-contained hydraulic system and requires access to power by a customer furnished electrical extension cord.

Available Sizes

The overall size of the table top can vary in size to meet the customer's specific needs. The table is available in the following standard sizes, but custom sizes are available on request:

- 36" wide x 84" long (91cm x 213cm)
- 36" wide x 96" long (91cm x 244cm)
- 48" wide x 84" long (122cm x 213cm)
- 48" wide x 96" long (122cm x 244cm)
- 48" wide x 108" long (122cm x 274cm)

Load Rating

All table sizes are rated for 2,500 lbs. $(1,134\,\mathrm{kg})$. Higher load ratings are available on request.

Table Top and Structural Frame

The rectangular necropsy table top surface is covered by 10 gauge stainless sheet steel. The table top has a raised flange/lip on all outside edges to prevent drainage of fluids. There is one drain hole in the top that is equipped with a stainless steel hose connection, for attachment of a customer supplied drain hose. The base of the table uses the same scissor lift design as the Shank's Floor Model Table (page 4). The base frame is fabricated out of stainless steel, and all required fasteners are also stainless steel. For a cost savings, the base can be built out of mild/carbon steel, as a customization. See *optional features* section on the right.

Hydraulic System and Operation

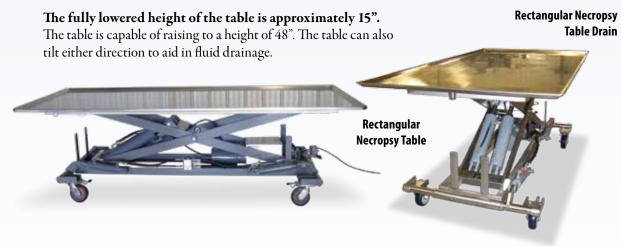
All models have a self contained hydraulic system. Tables built for use on 110V/60 cycle power are equipped with a mounted 3-prong grounded receptacle box for attachment of the customer supplied electrical extension cord. Tables built for use on electric voltage other than 110V/60 cycle are equipped with a 20 foot (6M) power cord along with a country specific plug to allow the end user to access power in their specific country. A simple on/off electrical switch controls the entire system.

The hydraulic system consists of a 1HP, 1 gallon reservoir self-contained power unit complete with a 3-bank hand control valve that controls all hydraulic functions. The table functions are carried out by a total of four hydraulic cylinders. The table top is raised and lowered independently with one valve lever, and the casters pairs are retracted independently on each end with the other two valve levers. The table can be placed in a stationary position (by retracting all casters) to prevent unintended movement during procedures.

Optional Features

The Shank's Rectangular Necropsy Table base can be built completely of mild/carbon steel, which would be hot dip galvanized and covered with an enamel painted topcoat.

The galvanize coating is a process whereby the metal components are dipped into molten zinc at approximately 850°F. This results in a formation of a zinc and zinc-iron alloy coating which is metallurgically bonded to the steel. Galvanized coatings are recommended for their corrosion resistance more than for their appearance. Visually, the coating may have a matte gray appearance which is duller than a typical bright finish. Testing shows that hot dip galvanized steel has an average of 10 years of protection to 5% rust. The galvanized coating is then painted with an acrylic enamel topcoat for additional protection.





C-Shaped Necropsy Table

The Shank's C-Shaped Necropsy Table was designed for post mortem dissection of a large animal. The table is equipped with a completely stainless steel top. **The table has a scissor-action lift design, and is equipped with 2-way tilt capability.** The table is completely mobile via casters and can easily be placed in a stationary position during necropsy procedures. It has a self-contained hydraulic system and requires access to power by a customer furnished electrical extension cord.

Available Sizes

The overall size of the C-Shaped Necropsy table top can vary in size to meet the customer's specific needs. The table is available in the following standard sizes, but custom sizes are available on request:

- 48" wide x 84" long (122cm x 213cm) with 12" deep x 24" wide formed cutout
- 48" wide x 96" long (122cm x 244cm) with 12" deep x 24" wide formed cutout
- 60" wide x 96" long (152cm x 244cm) with 18" deep x 24" wide formed cutout
- 60" wide x 108" long (152cm x 274cm) with 20" deep x 30" wide formed cutout

Load Rating

All table sizes are rated for 2,500 lbs. (1,134 kg). Higher load ratings are available on request.

Table Top and Structural Frame

The C-shaped necropsy table top surface is covered by 10 gauge stainless sheet steel. The table top has a raised flange/lip on all outside edges to prevent drainage of fluids. There is one drain hole in the top that is equipped with a stainless steel hose connection, for attachment of a customer supplied drain hose. The base of the table uses the same scissor lift design as the Shank's Floor Model Table (page 4). The base frame is fabricated out of stainless steel, and all required fasteners are also stainless steel. For a cost savings, the base can be built out of mild/carbon steel, as a customization. See *optional features* section on the right.

The fully lowered height of the table is approximately 15". The table is capable of raising to a height of 48". The table can also tilt either direction to aid in fluid drainage.





Hydraulic System and Operation

All models are equipped with a self contained hydraulic system. Tables built for use on 110V/60 cycle power are equipped with a mounted 3-prong grounded receptacle box for attachment of the customer supplied power extension cord. Tables built for use on electric voltage other than 110V/60 cycle are equipped with a 20 foot (6M) power cord along with a country specific plug to allow the end user to access power in their specific country. A simple on/off switch electrical switch controls the entire system.

The hydraulic system consists of a 1HP, 1 gallon reservoir self-contained power unit complete with a 3-bank hand control valve that controls all hydraulic functions. The table functions are carried out by a total of four hydraulic cylinders. The table top is raised and lowered independently with one valve lever, and the casters pairs are retracted independently on each end with the other two valve levers. The table can be placed in a stationary position (by retracting all casers) to prevent unintended movement during procedures.

Optional Features

The Shank's C-Shaped Necropsy Table base can be built completely of mild/carbon steel, which would be hot dip galvanized and covered with an enamel painted topcoat.

The galvanize coating is a process whereby the metal components are dipped into molten zinc at approximately 850°F. This results in a formation of a zinc and zinc-iron alloy coating which is metallurgically bonded to the steel. Galvanized coatings are recommended for their corrosion resistance more than for their appearance. Visually, the coating may have a matte gray appearance which is duller than a typical bright finish. Testing shows that hot dip galvanized steel has an average of 10 years of protection to 5% rust. The galvanized coating is then painted with an acrylic enamel topcoat for additional protection.

Custom Surgery Tables

Small Ruminant Table

The Shank's Small Ruminant Table is **designed for surgery on goats, sheep and other small ruminants weighing up to 1,000 lbs. (454 kg)**. It is equipped with a **24" wide x 84" long** (66cm x 213cm) padded top. The table is operated via a hydraulic power unit with a hand operated solenoid push button station that controls raising and lowering.



Small Ruminant Table



Custom Surgery Tables

SS Swine V-Table

The Shank's SS Swine V-Table is designed for surgery on hogs. It has a **lateral surface of 26" wide x 84" long** (66cm x 213cm). The table top consists of **six separate hinged wings** that all tilt independently and can be secured in five different tilt positions. The center of the table top is equipped with a drain slot that runs the full length of the table. The table can achieve 2-way tilt similar to our surgery tables. The base frame of the table can be built out of stainless steel, or built out of carbon steel and be hot dip galvanized and painted. Optional dorsal leg poles can also be ordered. **Load capacity is 2,000 lbs. (907kg).** This table can be used for a variety of animals.

Foal Table

The Shank's Foal Table was **designed for surgery on foals** weighing up to 500 lbs. (227 kg). It is equipped with a 30" wide x 60" long (76cm x 152cm) padded top. The table is operated via a foot operated hydraulic pump or can also be operated by a hydraulic power unit with a hand operated solenoid push button station. An optional head support can be ordered.



Foal Table with Foot Pump



SS Swine V-Table



Foal Table with Push Button



Transfer Carts

Padded Flat Transfer Cart

The Shank's Padded Flat Transfer Cart has been designed to transport a sedated large animal. The cart is modeled after the design of the padded top of the Shank's Floor Model Surgery Table. The cart can be manufactured in various sizes depending on the specific needs of the customer. The cart is completely mobile within a clinic setting, and is at a fixed height of approximately 15". A removable T-handle is included to aid in movement of the cart. The cart can be fabricated without affixed padding as a customization.

Available sizes

- 36" wide x 84" long (91cm x 213cm)
- 36" wide x 96" long (91cm x 244cm)
- 48" wide x 84" long (122cm x 213cm)
- 48" wide x 96" long (122cm x 244cm)



Padded Flat Transfer Cart



Standing Transfer Cart

The Shank's Standing Transfer Cart was first built in 1992 and was designed to transport cattle within a clinic environment. Average overall size is **96" long x 40" wide x 98" high**. The cart is equipped with **8" swivel casters** and is **rated for 3,000 lbs**.

All carts are custom made to order, and can include any of the following features:

- Front headgate
- Sheet metal horizontal side panels (removable)
- Tubing side bars (removable)
- Chain rear entry
- Backup bar rear entry
- Non-slip floor



Standing Transfer Cart



Foam Pads

Shank's Foam Pads can be made in a variety of sizes, shapes and thicknesses. The pads are comprised of **2.3 lb. density** polyurethane foam with a vinyl coated nylon covering/casing.

Table Pads

Table pads are made in standard sizes to be used in conjunction with the various Shank's tables and accessory supports available. Table pads are typically 6" (15cm) or 10" thick (25cm).



Wedge/Triangle Pads



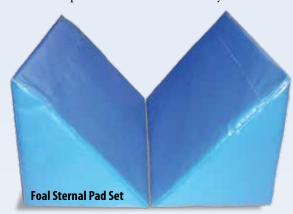
Cage/Kennel Mats

Cage/kennel mats are traditionally between 2" and 4" thick and are made to size.



Other Custom Pads

Other custom pads offered are a *Foal Sternal Pad Set* and *Foal Couch*. These pads are available in a variety of sizes and colors.









Looped Hobbles

The Shank's Looped Hobbles are made in a variety of sizes and styles. The hobbles provide a simple method of lifting a sedated animal during the induction or recovery process. The hobbles can also be used during large animal rescue. The ring on the hobbles easily attaches to a hoist hook for ease of lifting. Hobble "sets" provide two separate webbing straps, each with two adjustable

loops. One strap for the front legs and one strap for rear legs. Each strap has its own separate ring for attachment to the hoist hook. One looped hobble set lifts one animal. Single hobbles have one webbing strap with one ring and one webbing loop for lifting a single leg.



Foal Looped Hobble Set



Set of lifting hobbles being used during an equine surgery



Regular Looped Hobble Set



Single Looped Hobble (available in Regular and XL)



XL Looped Hobble Set

Recovery *Hoods*

The Shank's Recovery Hood is a padded hood designed for head protection of a horse. It was initially designed to be used during equine recovery, post surgery. It can also be used during large animal rescue, during transit of an injured animal, or as protection during recovery from neurological conditions. The hood has double padding around the eye, and is offered in three sizes: Regular, Foal/Yearling and Neonatal Foal.



Fabricated Metal Specialty Items

Wall Mount D-Ring

The Shank's Wall Mount D-Ring is designed to be installed in a stall or recovery room to aid in secure rope tie off of an animal. It can be made from hot rolled metal and painted, or be made from stainless steel. Fasteners are not included.



Colon Bucket

The Shank's Colon Bucket is a specialty item designed to be used during colic surgery. It is fabricated completely out of stainless steel and is equipped with stainless steel swivel/lock casters. In addition, the colon bucket has a removable stainless steel mesh basket to aid in straining and removal of debris from the colon. The bucket includes a mounted drain fitting, and accompanying locking valve and 10 foot (3 M) drain hose.



Single Tree/Hoist Bar

The Shank's Single Tree/Hoist Bar is a specialty lifting tool designed to be attached to a chain hoist to aid in lifting a sedated animal during induction or recovery. The single tree is equipped with 2 ton hoist hooks for easy attachment to Shank's Looped Hobble Set. Standard length is 60" (152cm), but custom lengths can be ordered.



Recovery Stall Door Lock

The Shank's Recovery Stall Door Lock is a heavy duty square tubing lock that can be bolted or welded to an existing double door set. The lock is equipped with an upper and lower deadbolt pins for securement of the doors during equine recovery. This lock requires an existing header for proper installation.





Recovery Stall Doors

Shank's Recovery Stall Doors are specialty doors that are designed to withstand the rigors of large animal recovery. The doors can be fabricated as a single door or as a double door set. Special features such as **escape doors** or **view openings** can be incorporated in the door structure. The doors are comprised of a heavy duty square tube frame with sheet metal covering on the inside face of the door. Heavy duty hinges and pins complete the fabrication. A variety of stainless steel cane bolt locking systems can be offered depending on the door type, specific application, and adjacent wall construction. In an instance where there is no building structure door header, an optional locking header set can be fabricated to allow for upper locking of a double door in a rough opening with no header. All doors are hot dip galvanized. Painting of the galvanized door can be offered as an option.



Double Door with Locking Header Set



Double Door with Wall Mount Pin Plate



Single Door





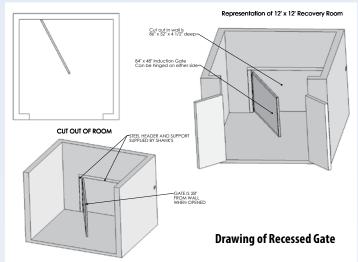
Induction Gate

Shank's Induction Gate is a specialty gate that is fabricated to either be recessed into a false wall, or surface mounted to a filled block or reinforced wood finished wall. The standard size of the gate is 48" high x 84" long, (122cm x 213cm) but customization of the gate can be offered. The gate is comprised of a heavy duty square tubing frame and includes sheet metal on both sides of the gate. The gate is hot dip galvanized. Painting of the gate can be offered as an option. Affixed padding of the gate is not included and not offered. The gate includes an attached D-ring to allow for secure tie off of the gate during induction. An additional D-ring is also furnished, to be installed on the adjacent wall and to be used during induction.





Surface Mount Gate





Floor Mount Treatment Stock

Shank's Floor Mount Treatment Stock is designed for standing examination and treatment of horses. The stock is fabricated from mild steel, then hot dip galvanized for durability and protection.

Mounting

The stock can be built to allow it to be recessed in pipe sleeves that are anchored into the concrete floor. These sleeves would need to be recess mounted into the concrete floor during building construction. The alternate mounting method is surface mount, where the stock would be fabricated with mounting plates for permanent anchoring to the floor surface (see photo below).

Structural Frame

The stock frame is 3" schedule 40 pipe. Overall outside dimensions for the standard stock are **96" long x 36" wide x 96" high**. The side rails are 2" schedule 40 pipe.

Standard Stock

Our standard stock is equipped with the following features:

- Hinged/swinging side rails no height adjustment
- Padded rear kickboard 2 height placements
- Chain front
- Cross brace bumper pads
- D-rings and halter ties

Customization

The following features can be incorporated as a customization:

- Split section kickboard
- Front kickboard
- Dental arm
- Removable side rails
- Internal backup bar with various placements





Padded Rear Kickboard



Standard Stock



Hinged/Swinging Side Rails

Shank's Customer Referrals

United States Auburn University Tuskegee University Arkansas Agriculture Dept. Midwestern University Kayena USD No. 27 (Native) Phoenix Zoo University of Arizona University of California-Davis Fresno Chaffee Zoo Aquarium of the Pacific Los Angeles Zoo Natural History Museum of LA County Oakland Zoo The Living Desert Western Univ. Of Health Sciences Helen Woodward Animal Center Sacramento Zoo Performance Animal Welfare Society San Diego Zoo San Diego Wild Animal Park Sea World of San Diego San Diego State University Chevenne Mountain Zoo Denver Zoo Colorado State University Colorado State University Jacksonville Zoo Gardens Sea World of Florida Walt Disney World Animal Kingdom **Big Cat Rescue** Busch Gardens Tampa (Sea World) Zoological Society of the Palm Beaches White Oak Plantation Georgia Aguarium University of Georgia Georgia Sea Turtle Center St. Catherine's Island Wildlife Center Fort Valley State University Hawaii Pacific University Northern Illinois University **Brookfield Zoo** University of Illinois Lincoln Park Zoo Indianapolis Zoo Potawatomi Zoo **Purdue University** Iowa State University USDA — Animal Disease Laboratory Sedgwick County Zoo Rolling Hills Zoo University of Kentucky Morehead State University Louisiana State University Baton Rouge Zoo Audubon Institute Johns Hopkins University Maryland Zoo in Baltimore University of Maryland **USFDA Center for Veterinary Medicine** US Dept. HHS Michigan State University

Detroit Zoo

Mayo Foundation

University of Minnesota

Auburn University, AL Tuskegee Institute, AL Little Rock, AR Glendale, AZ Kayenta, AZ Phoenix, AZ Tucson, AZ Davis, CA Fresno, CA Long Beach, CA Los Angeles, CA Los Angeles, CA Oakland, CA Palm Desert, CA Pomona, CA Rancho Santa Fe, CA Sacramento, CA San Andreas, CA San Diego, CA San Diego, CA San Diego, CA San Diego, CA Colorado Springs, CO Denver, CO Ft. Collins, CO Rocky Ford, CO Jacksonville, FL Orlando, Fl Orlando, FL Tampa, FL Tampa, FL West Palm Beach, FL Yulee, FL Atlanta, GA Athens, GA Jekyll Island, GA Midway, GA Fort Valley, GA Kaneohe, HI DeKalb, IL Brookfield, IL Urbana-Champaign, IL Chicago, IL Indianapolis, IN South Bend, IN West Lafayette, IN Ames, IA Ames, IA Wichita, KS Salina, KS Lexington, KY Morehead, KY Baton Rouge, LA Baton Rouge, LA New Orleans, LA Baltimore, MD Baltimore, MD College Park, MD Laurel, MD

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Al Ahsa University

Al Balagh Trading & Contr.

Stables of Crown Prince

Abdullah/Sons

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University of Glasgow
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