

Welcome to an introduction to one of Safetech's many materials handling products. This attachment provides a product overview and should assist you to make a more informed purchasing decision.

Below you will find:

- Detailed product information
- Technical Specifications
- Product pictures
- A link to the Safetech web site for further information



## SCISSOR LIFT TABLES

### THE SAFETECH SCISSOR LIFT TABLE

Safetech manufacture a wide range of scissor tables with many options and features. Capacities range from light loads of 100 - 200 Kg's, to tables that can lift in excess of eight tonnes. Lift tables can be customised to incorporate a great variety of features including; -

- Manual or automatic turntables to rotate the load
- Tilting decks that present the product to the operator
- High cycle capacity
- Safety bars or skirts to protect operators
- Varied deck construction, stainless steel, checker plate and more
- Special frames to capture the load
- Adapted for use as personnel lifts
- Low height tables for use with hand pallet trucks

Controls can be automated or interlocked with associated equipment



### SMARTLIFT

The standard Safetech table includes the **Smartlift**, a control and safety feature unique to Safetech that offers productivity, safety and maintenance advantages.

**Smartlift** provides an electronic diagnostic system with automatic down indexing and enhanced safety characteristics.



## HOW DO SCISSOR TABLES WORK?

Hydraulic Lift Tables incorporate a scissor mechanism to hold the platform level but allow it to move vertically.

A hydraulic power unit incorporating electric motor and hydraulic pump supply oil to hydraulic cylinder(s) to elevate the platform.

Most lift tables utilise a single acting hydraulic system. This means that the lift table raises by oil supplied to the cylinder(s) under pressure from the pump and descends under its own weight when the down valve is opened, allowing oil to be bled back to tank. This is sometimes known as a power up gravity down system. It also means that lift tables are subject to a slow downward drift over time as oil bleeds back to the tank.

## AIR BAG LIFT TABLES *(see picture)*

Air bag lift tables provides a safe and clean way to lift without the need for hydraulics. Powered by shop air they provide a clean alternative to hydraulics but are limited in capacity, accuracy and lift stroke.

## APPLICATIONS

- Manual palletising or depalletising
- Loading or unloading of stillages, containers, bins, bags, bricks, tiles.
- For elevating product placed on conveyors, into feeding hoppers, extruders,
- Maintenance of process and production equipment
- Personnel lifts
- Mezzanine and between floor lifts



## SAFETY

- Care must be taken to prevent entrapment of limbs either in the mechanism or under the table's edge. A safety bar is the best protection whilst skirts are also used. The safety bar stops the downward movement of the table upon contact with any obstruction.
- Lift tables are often used in conjunction with forklift trucks and they can sometimes damage the table leading to operating failure or injury.



## LIMITATIONS

- Scissor lift tables are active lifting devices and their use may be covered by statutory requirements similar to those applying to lifts and cranes.
- Hydraulic Lift tables are not ideally suited to highly accurate platform placement as may be required in automated processes because of the drift that can occur with oil bleeding back to the tank. Alternative lifting mechanisms include screw lift tables.
- All Lift Tables must be appropriately specified for use in washdown, corrosive or flammable environments or high cycle applications.



## BEST BUYING

Lift table prices rise rapidly as extra lift is required - because that requires extra sets of scissors, in high cycle applications or where hand pallet truck only access demands a low height profile table.

Stainless steel tables are available but expensive and an alternative is to use a stainless steel skin for the deck and epoxy paint.

As with most products lift tables are much cheaper if you can use a standard configuration. Take care with very cheap tables as they may sacrifice safety standards or durability and performance.



# SPECIFICATIONS

<b>MODEL</b>	<b>CAP. (kg)</b>	<b>VERT. STROKE</b>	<b>MIN Ht</b>	<b>MAX HEIGHT</b>	<b>BASE WID.</b>	<b>BASE LEN.</b>	<b>ELEV. TIME</b>	<b>POWER UNIT</b>	<b>WEIGHT</b>
<b>AS1-900</b>	1000	915	175	1090	610	1220	21	0.75kW 240/1/50	320
<b>AS1-900 WIDE</b>	1000	915	175	1090	1000	1220	21	0.75kW 240/1/50	340
<b>AS2-900</b>	2000	915	175	1090	610	1220	42	0.75kW 240/1/50	335
<b>AS2-900 WIDE</b>	2000	915	175	1090	1000	1220	42	0.75kW 240/1/50	355
<b>AS3-900</b>	3000	915	200	1115	610	1220	22	2.4kW 415/3/50	390
<b>AS3-900 WIDE</b>	3000	915	200	1115	1000	1220	22	2.4kW 415/3/50	410
<b>AS1-1200</b>	1000	1220	200	1420	610	1680	27	0.75kW 240/1/50	500
<b>AS1-1200 WIDE</b>	1000	1220	200	1420	1000	1680	27	0.75kW 240/1/50	520
<b>AS2-1200</b>	2000	1220	200	1420	610	1680	18	2.4kW 415/3/50	530
<b>AS2-1200 WIDE</b>	2000	1220	200	1420	1000	1680	18	2.4kW 415/3/50	550
<b>AS3-1200</b>	3000	1220	200	1420	610	1680	27	2.4kW 415/3/50	545
<b>AS3-1200 WIDE</b>	3000	1220	200	1420	1000	1680	27	2.4kW 415/3/50	565
<b>AS1-1600</b>	1000	1615	250	1860	1465	2185	24	2.4kW 415/3/50	940
<b>AS2-1600</b>	2000	1615	250	1860	1465	2185	30	2.4kW 415/3/50	945
<b>AS3-1600</b>	3000	1615	250	1860	1465	2185	44	2.4kW 415/3/50	960
<b>AS4-1250</b>	4000	1250	310	1610	1400	1950	45	2.4kW 415/3/50	610
<b>AS6-1500</b>	6000	1500	440	1940	2070	2900		2.4kW 415/3/50	

**DESIGNED AND MANUFACTURED BY SAFETECH PTY LTD**

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