



PANTHER[®]

Super Panther III





Super Panther III

Since over 10 years PANTHER stands for tradition, experience and know-how. The innovative strength of PANTHER and the high quality of our products influenced the whole film industry in the early 80s. Being the first and most popular electromechanical dolly in the world the SUPER PANTHER II dolly was given a »Scientific and Engineering Award« in 1990 in Hollywood.

»The Passion of Movement« has become the substance of our philosophy, and this is why the PANTHER team is working constantly on further innovations.



1982: The Panther dolly revolutionises the dolly world, being the first electromechanical dolly. Maximum comfort of operation, flexibility and reliability are the new standards.



1990: The Super Panther II dolly Consistent further development and introduction of digital electronics lead to a "Scientific and Engineering Award" from Hollywood in 1990.



**... AND NOW
PANTHER PROUDLY
PRESENTS THE
SUPER PANTHER III !**



1995: The Super Panther III dolly Setting the pace for the next decade, featuring ultimate digital electronics, double speed and new accessories.

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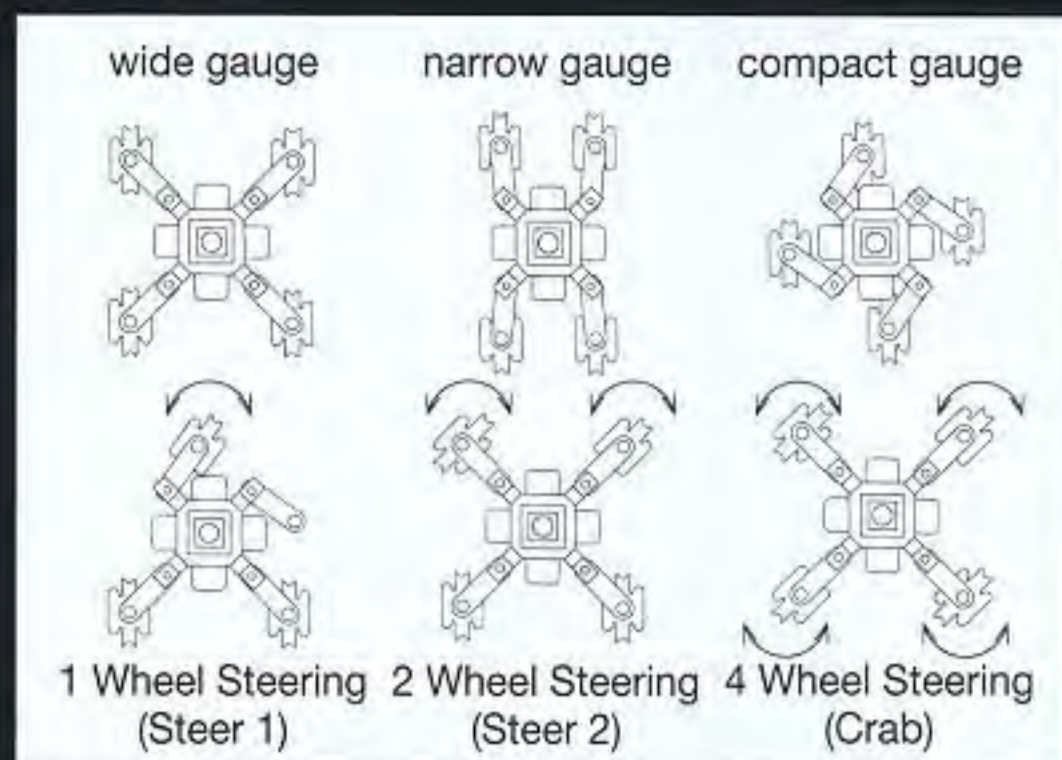
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Pivot Arms:

Due to the symmetric position of four equal pivot arms, one-wheel, two-wheel and four-wheel steering (crab and steer) on all four sides is possible. The pivot arms' index plates can be clicked in to allow tracking either on stable standard gauge 62 cm (2'1") or space-saving narrow gauge 36 cm (1'2"). There are two handles per pivot arm so that the dolly can also be comfortably carried in difficult situations (e. g. staircases). Extended carrying handles are available as an option.

For reasons of saving space, the carrying handles are designed to lie within the radius of the Combi-Wheels. This way you don't have to put up with sticking-out, fold-away handles which give this floppy feeling when carrying the dolly.



Combi-Wheels:

The Panther **Combi-Wheels** are used on tracks or on the studio floor. Two studio wheels and two track wheels make up one unit which can be braked with the **Combi Brake**. Unintentional rolling-away is not possible any more – not even on tracks. (Previous models can be retrofitted with the Combi-Brake.)

Big studio wheels with specially designed running surfaces result in superbly controlled movements, even on ground which is not quite level.

The **advantages of double track wheels** as compared to cheap one-wheel versions are obvious:

1. Pressure marks which occur when the dolly is left in one position on a single track wheel for a longer time are just not possible, as the **weight is distributed between two wheels**.
2. Lumpy track joints are transferred to the dolly by single track wheels without attenuation. The **damping swivel** of the double track wheels attenuates bumps and, in this way, acts as a shock absorber.
3. The single track wheel is not guided properly – on curves in particular, and the dolly can easily be derailed. With Panther double track wheels, one wheel guides the other.

The new silicon sliding-rubber compound of studio and track wheels minimizes pushing and steering resistance, even under a high payload. Studio wheels (pneumatic wheels/slick optional) and track wheels can be exchanged in seconds.

Slicks

The slicks have been developed for use on uneven surfaces (e. g. roads). They can be controlled as easily as studio wheels, and they are shock-absorbing like conventional air tyres.



Snap-On Batterie:

The snap-on batteries with integrated charging display make battery exchange quick and easy. The locking lever can be used as carrying handle at the same time.



Twin Steering Rod:

The twin steering rod has an adjustable hub.

- medium setting for normal steering
- off-center setting for use in restricted spaces

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Even the basic version offers a wide range of camera movements for cameraman and assistant.

Taking advantage of the huge range of Panther accessories, you can combine the **most creative** camera positions with the **most imaginative** camera movements in no time, and without major changes.



Low camera positions can be achieved with the Panther **Low Rig**. If necessary, you can shorten it with ease by taking out the centre section. Of course, the complete column lift range can still be utilized.



The **Panther U-Bangi** has been specially designed for tabletop and pack-shot shooting. Combining it with the rotatable adapter enables you to shoot in a spherical space. All imaginable positions within this fictitious globe can be reached with the camera.



The Super Panther III's **narrow gauge** increases the distance between the axles by 20 % and decreases the gauge by 40 %.

This results in 20 % smoother rides (potential bumps in the track joints are better absorbed) and the compactness which is necessary in a number of situations (e. g. narrow doorways).

The Super Jib II -

The Super Jib II enables cameraman and assistant to work in a form which reaches a height of 2.7 m (9 feet), with the rigidity and stiffness which is unmatched. Little accessories have been adapted to the working environment.

➤ Full details of Panther accessories can be found in the Panther Systems manual.

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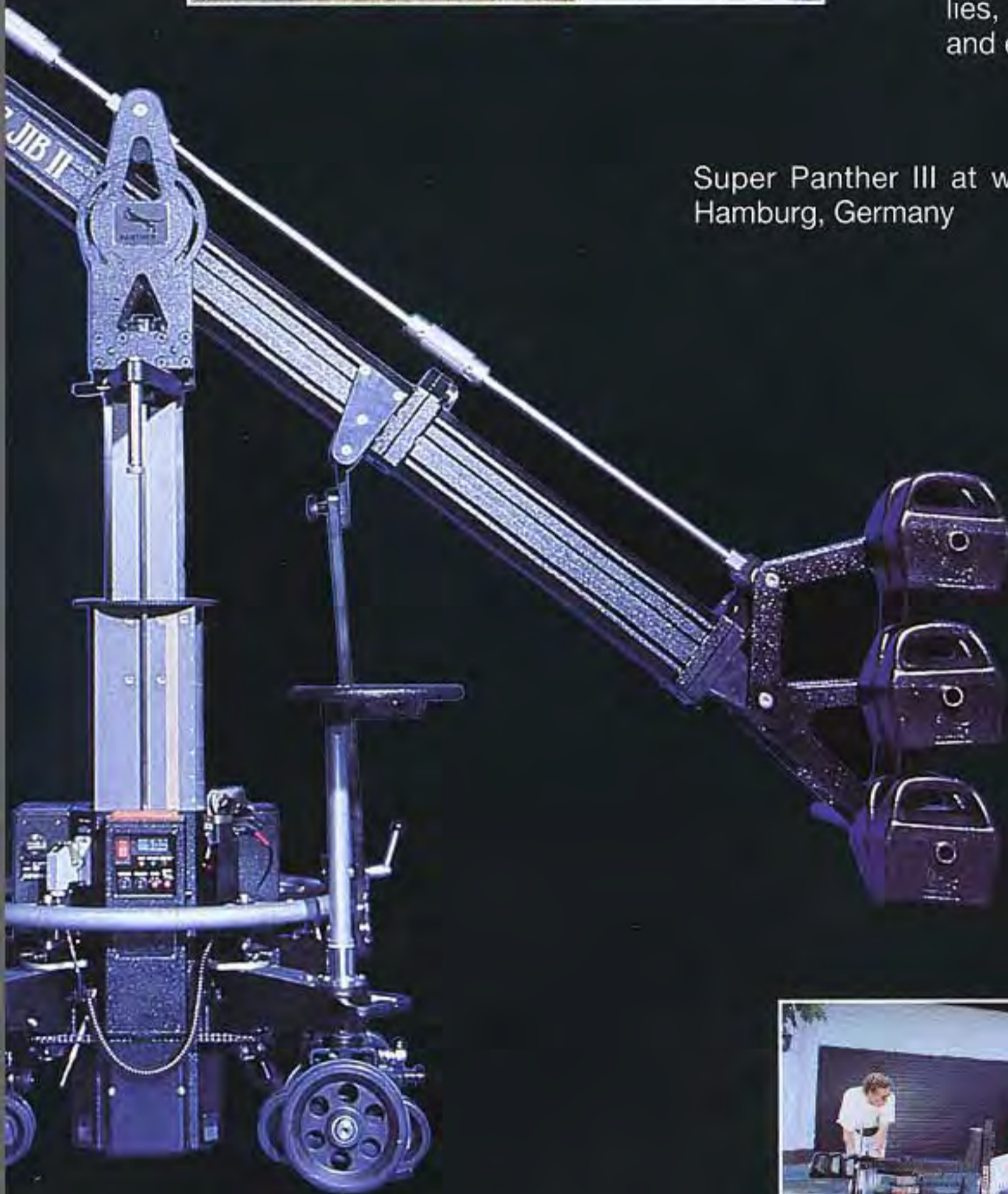


Without losing platform height, the Super Jib II can be shortened for one-man operation. The rear arm is simply taken off. If space is restricted (e. g. in the corner of a room) the system's flexibility is still maintained.



The Panther **Lightweight Jib** is designed to offer a very large lift range while maintaining the smallest possible size (very important for inside shooting). The cameraman can ride along, if required. The Lightweight Jib can be used on all Panther dollies, on various other dollies and even on tripods.

Super Panther III at work in Hamburg, Germany



probably the most professional way to shoot

to comfortably rotate 360° on a fold-away plate to its extruded shape, the Super Jib II offers a set-up time, low weight and compact transport size on the set.

and in the accessories catalogue.



The **U-Bangi Lifter** enables the U-Bangi II to be moved vertically. Featuring 360° rotation and 140 cm lift range, the system maintains a compact design.

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Operating Panel:

The ergonomically designed operating panel displays all information at a glance and enables direct control of operating parameters like speed, ramp setting etc.



- ① On/off switch (automatic fuse)
- ② LCD display
- ③ Status diodes
- ④ Super Jib operation on/off
- ⑤ Handset programming on/off
- ⑥ Speed setting switch
- ⑦ Ramp setting
- ⑧ Emergency braker
- ⑨ Speed control
- ⑩ Store/Recall keys for memorised moves

The speed control (9) activates column movements in either direction and at any speed. The store and recall keys (10) can memorise and recall more than 250 moves at any speed and position. The manual mode is still enabled. The accuracy of positioning never lets you down.

Digital Electronics:

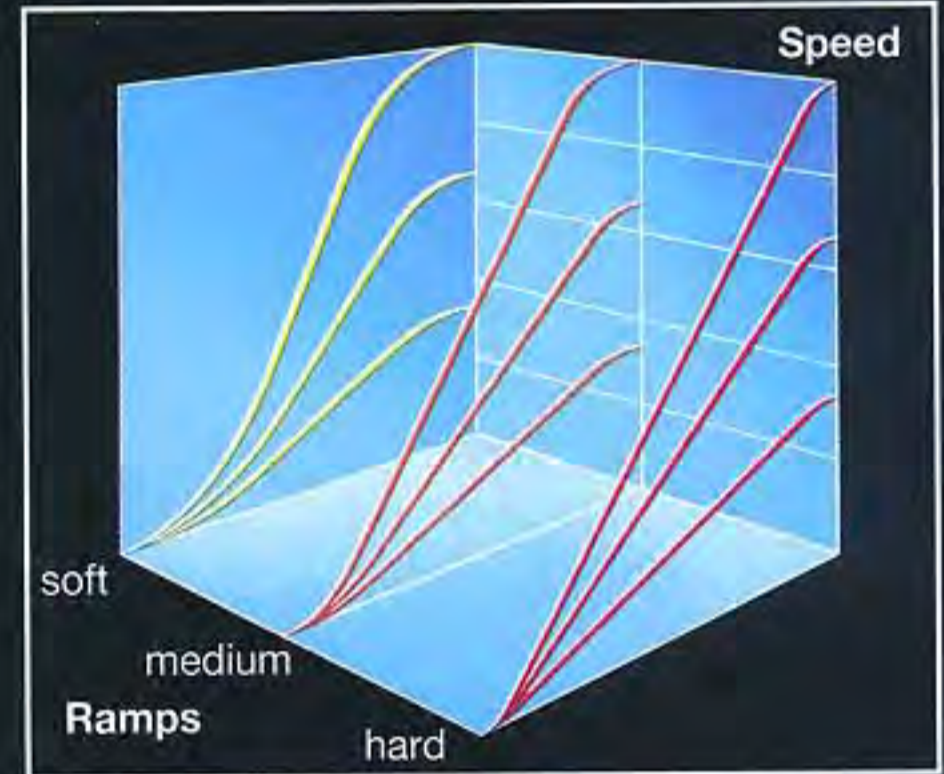
In our electronic lab, the latest generation of **digital electronics** undergoes a test series which simulates usage of half a year. The electronics is only released if it withstands environmental temperatures of -20 ° up to +80 °C and various humidity and shock tests. This way we want to make sure that your Super Panther III never lets you down – no matter whether your location is in Siberia or Kenya.

In case your dolly should fail, though, (e. g. flat battery, loose drive belt) the auto-diagnosis programme of the electronics identifies the error and shows it on an LCD display. In most cases, the failure can be locally eliminated with simple tools. Due to the plug-in system, the electronics can be exchanged with ease in no time.

Mains Power/Charger Unit:

The small and efficient **mains power/charger unit** which can be used on a dolly without a battery, supplies 24 V (standard speed) or 48 V (double speed) to the Super Panther III. This unit can also operate the Super Panther III with one or two batteries connected through an external cable. In each configuration, the connected batteries are charged. Used as a charging station, the mains power/charger unit can charge up to four batteries simultaneously.

The mains power/charger unit features an automatic voltage selector (115 V / 230 V, i. e. worldwide operation possible), an overcharge protection circuit and a status display showing the charging status of the dolly-mounted batteries and the load of the mains power/charger unit.



Driving patterns:

The diagram illustrates the driving patterns which are selected automatically by the electronics, depending on the switch settings.

The following switches control the driving pattern:

- Speed control switch ⑥
- Ramp switch ⑦
- Super Jib operation on/off ④

Mains Power/Charger Unit

Dolly-mounted, with or without battery



External use, to supply the dolly with energy and to charge 1 or 2 batteries



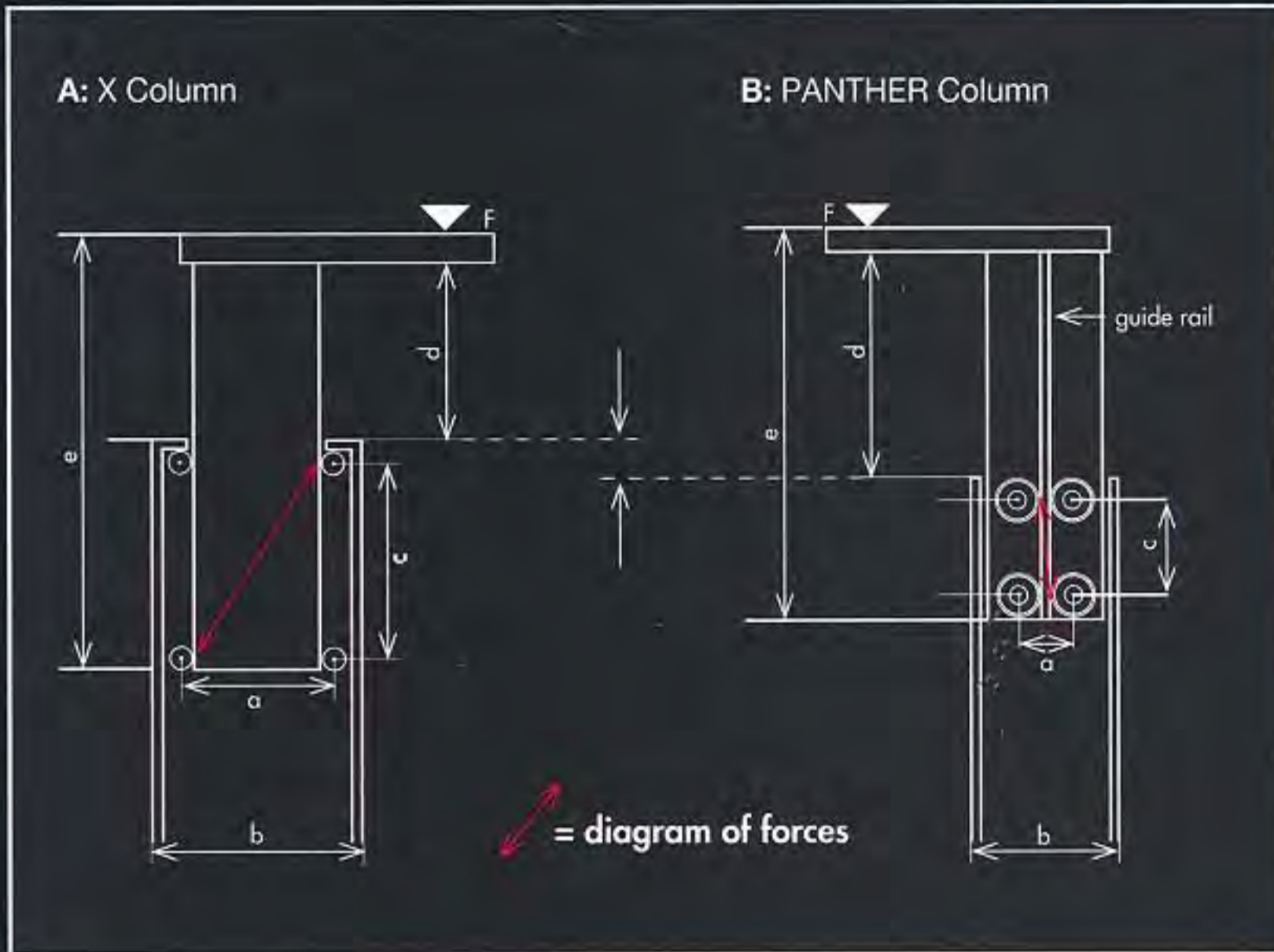
Charging Station





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What is unique in the patented column guiding system of PANTHER® ...?

... the redirection of a high lateral column load into an almost vertical load!

The advantages of the PANTHER® column in direct comparison of columns **A** and **B** (see diagram):

- The roller bearings' diameter is increased, due to their position against the column.
Advantage 1: larger and stronger roller bearings
Advantage 2: fewer revolutions, i. e. quieter and longer-lasting
- The horizontal distance between the roller bearings (a) can be kept very small, due to the guide rail.
Advantage 3: more compact and lighter construction (b)
Advantage 4: very steep (almost vertical) vector of force, i. e. little pressure on guide rails
→ stronger column unit, higher lateral loading capacity!
- The vertical distance of the roller bearings (c) can also be kept small due to this patent.
Advantage 5: lower camera position (dotted line)
Advantage 6: more column lift range (d) at same column length (e)
Advantage 7: the PANTHER® column is maintenance-free. Adjustment of roller bearings is not required.

The technical service of PANTHER is not only prepared to give first aid in technical emergencies, but also offers to prepare special equipment modifications for the Panther Dolly, if required.

Also we offer workshops (for grips and technical service) at our premises, which are free of cost and provide the participants with a certificate from PANTHER. Just call and ask to be invited for our next workshop.

As you can see the SUPER PANTHER III will stay in almost every position you choose for it. This test was made in order to demonstrate the dolly's high quality despite its low weight construction.



Highest quality and stability despite low weight construction.

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Technical Specifications				
	Super Panther III	Super Panther III with Lightweight Jib	Super Panther III with Super Jib II	Super Panther III with U-Bangi Lifter
Weight in kg (lbs) (without accessories)	123 (272)	153 (338)	209 (462)	169 (373)
Minimum height ...	Euro Adapter	Euro Adapter	Platform (with High-Low-Rig)	Euro Adapter
in cm (in)	70 (2'4")	56 (1'10")	10 (4")	- 15 (- 6")
Maximum height ...	Euro Adapter	Euro Adapter	Platform (with High-Low-Rig)	Euro Adapter
in cm (in)	140 (4'8")	236 (7'9")	269 (8'10")	237 (7'10")
Lift Range in cm (in)	70 (2'4")	175 (5'9")	160 (5'3")	140 (4'8")
Maximum payload – using column drive – in kg (lbs)	Euro Adapter 250 (550)	Euro Adapter 100 (220)	Platform 200 (440)	Euro Adapter 100 (220)
Maximum payload column retracted – in kg (lbs)	1000 (2207)	-	-	-
Maximum payload column extended – in kg (lbs)	500 (1103)	-	-	-
Fastest time through column lift range	3.2 sec.	3.2 sec.	3.7 sec.	3.7 sec.
Battery performance with maximum payload and 2 batteries	350 – 400 rides through lift range	350 – 400 rides through lift range	300 – 350 rides through lift range	300 – 350 rides through lift range
Charge cycle	2.5 – 6 hrs	2.5 – 6 hrs	2.5 – 6 hrs	2.5 – 6 hrs
Voltage display	yes	yes	yes	yes
Use with Mains Power Unit + Charger	yes	yes	yes	yes
Use as Pegasus Basis Dolly	Version: 1-4 11-14	no	no	no
* Subject to Technical Alterations without Notice				

Your Dealer

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