BALANCING ARM (BA100)  
CABLE MANIPULATOR

Very Light and Very Easy to Use with "Load" and "No Load" Balancing.  
Ideal for the Horizontal Handling of Parts and Products

The Balancing Arm BA100 is a cable manipulator. It has a "double articulated arm" and comes complete with a column and base plate for easy installation to your floor. It is also available in overhead fixed configuration or overhead trolley mounted to run on rail.

This Cable Manipulator gives 360° continuous rotation around the units main axis, 360° continuous rotation at the intermediate axis, and 360° non-continuous rotation around the tooling’s vertical axis. The BA100 has a standard reach of 2400mm giving a work area of 4800mm.

It has a max weight capacity of 100kg and has a vertical travel of 1400mm, with an option to 2100mm.

The BA100 has two distinct pneumatic circuits. The first circuit balances the weight of the arm and tooling ("no load balancing"). The second circuit balances the arm, the tooling and the load to be lifted ("load balancing").

The second circuit is activated by the operator using the toggle switch which is ergonomically positioned near the operators hand grip. This circuit controls the balancing of the tooling in a loaded condition.

MANY FEATURES AND BENEFITS
- Very Light, Very Easy to Use
- Competitively Priced
- "Load" and "No Load" Balancing. Enables an operator to move product up, down and around with no effort - as if weightless.
- Weight Regulator or Weight Pre-Selector. For easy setting of product weight to be balanced.
- Air Reservoir. In case of air supply interruption contains enough air to allow operator to safely park the product.
- Non-Return Valve. Prevents Air Reservoir from emptying in case of disruption in air supply.
- Safety Valve. Prevents fast movement of arm in the event and operator gives “grip” command when the load is not in place or "release" command when load not on a firm surface.
- Easy Tooling Integration. The BA100 is supplied with a hook but is designed to accept toolings made by others.

The Balancing Arm BA100 cable manipulator meets International Standards of Health and Safety and has all the features necessary for ease of use.

It is supplied with a standard closed hook tooling. Customers can attach their own tooling or magnet to the hook or replace the hook with their own tooling. Or we can design and make a specific tooling to suit the customers particular application.
We are experts in manipulator solutions and technology. Since 1999 we have used manipulators to solve materials handling problems in Asia. During this time we have specified, sold, installed, serviced and modified hundreds of manipulators in all industries.

We supply the widest range of equipment and options to solve your materials handling lifting and positioning problems and to meet most budgets.

When you buy from us you can be sure that the specifications will suit your local situation and your local staff. We give you full warranty, service and technical support in always available to assist. We will always provide ongoing telephone support and an engineer is always available to visit your site.

**Technical Features of BA100 Cable Manipulator**

- **Weight Capacity**: 100kg
- **Working Radius**: 2400mm
- **Vertical Lift**: 1400 mm (option 2100mm)
- **Supply**: Compressed air 7 bar
- **Configuration**: Column, Fixed Overhead, Mobile Overhead

All equipment is designed, manufactured and tested to International Standards. Built in China to specifications and under supervision and quality control.