



## Rigs for door assembly

ADTRANZ, KALMAR, SWEDEN

A I R F I L M T E C H N O L O G Y



### Operation

Solving's air film-based assembly rigs enable door panels and power mechanisms to be pre-assembled into complete units, which can then be floated 'on air' up to a carriage for assembly. The rig is equipped with air bearings and an integral lifting device, which facilitates the as-

sembly work and enables door units to be attached without any additional tools.

The assembly rig is fully pneumatic and requires only a normal industrial compressed air supply.



S O L V I N G



The Solving design team is continually developing ergonomic and economic air film material handling solutions. With the customer's handling and logistics programme in mind, their main objectives are to:

- minimise installation requirements**
- reduce capital expenditure**
- reduce the environmental impact**

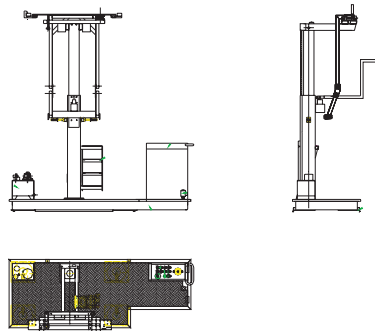
## Adtranz, Kalmar, Sweden

Adtranz Sweden – part of ABB Daimler-Benz Transportation, Adtranz – manufactures and develops metro trains, multiple units and highspeed trains.

### ASSEMBLY RIG SPT 4C

#### Technical data

Capacity:	1 tonne
Length:	2 000 mm
Width:	960 mm
Height:	2 990 mm
Air bearings:	4 x SE 12-1,8
Pressure regulation:	Automatic



#### Objective

When sourcing material handling systems, their main objectives were to shorten production time and increase capacity, as well as to achieve an ergonomic, safe working environment.

#### Flexibility

Because the load floats on a film of air, it can be moved freely and positioned precisely. Solving's flexible solution provides a simplified workshop layout, a high degree of reliability, precise control, and also allows changes to be carried out, if required, at minimal cost.



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