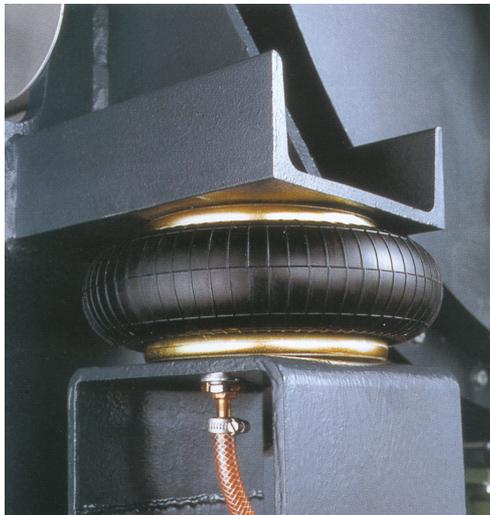
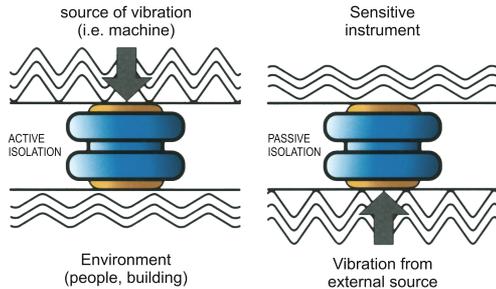


AIR SPRING SYSTEMS



AIR SUSPENSION

THE ULTIMATE IN VIBRATION CONTROL



Load : 0.5 - 250 kN
 Natural Frequency : 0.5 - 3.5 Hertz
 Diameter : 160 - 870 mm
 Height : 90 - 340 mm

PROVIDES ACTIVE AND PASSIVE ISOLATION FOR :

R & D Test Stands

Material Handling Technology

Industrial Washing Machines

Presses

Driver's Cabs & Seats

Measuring Scales

Textiles Machinery

Printing & Paper Machinery

Mills, Compressors

Mining Machinery

Dough Kneading Machinery

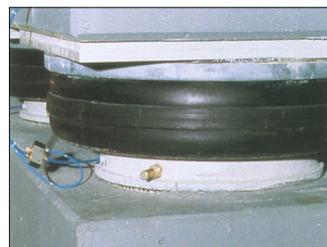
Stretcher Supports

Instruments

Laser & Holography equipments

CONTI® Air Spring systems offers **passive isolation** of light-weight measuring instruments and **active isolation** of heavy foundations of machinery and equipment. Vibration isolation combined with levelling, the extremely low natural frequency, damping of structure-borne noise as well as the compact size and the long service life are properties that ensure effective and economic support.

It also provides the desirable air damping particularly necessary for intermittently accelerated Machines - Damping system function without any parts wearing on.



< Air sprung test stand foundation

The high degree of isolation provided by CONTI® AIR SPRING supporting vehicle test stands protects both people and buildings. An adjustment to the vibration isolation by lowering the foundation is easily possible with air springs.

Air sprung weaving machine >

The height-adjusted, air-spring overall system when used in weaving machines prevents the transmission of (isolation degree usually exceeds 85%) thereby protecting building structures and intermediate ceilings.

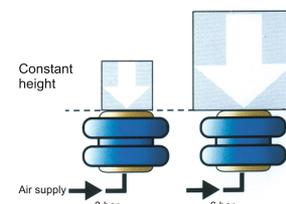


The benefits :

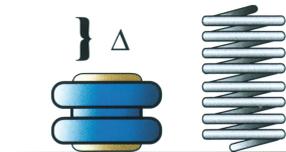
HIGH ISOLATION

- protection of people, environment and materials
- constantly good isolation effect even with varying loads
- effective damping of structure-borne noise
- wide range of systems available

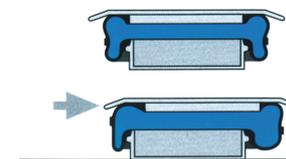
Cost saving - thanks to easy design calculation



Cost saving - thanks to low space requirements



Cost saving thanks to capability to absorb lateral force

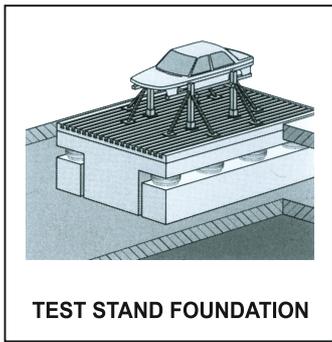


LOWER COSTS - THANKS TO

- uncomplicated design
- less space requirement
- absorption of lateral forces
- easy installation
- long service life
- maintenance - free

TYPICAL APPLICATIONS

AIR SUSPENSION



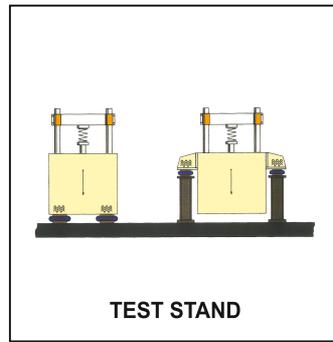
TEST STAND FOUNDATION



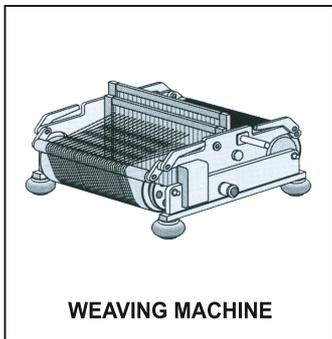
AIR-SUSPENDED
TEST STAND FOUNDATION



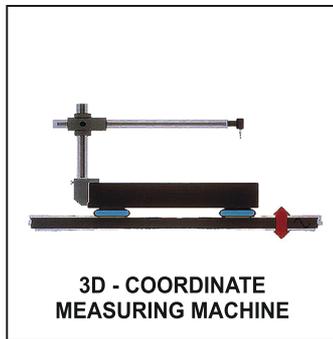
TEST STAND WITH 3-POINT
HEIGHT LEVELLING



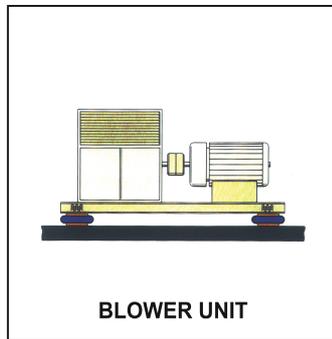
TEST STAND



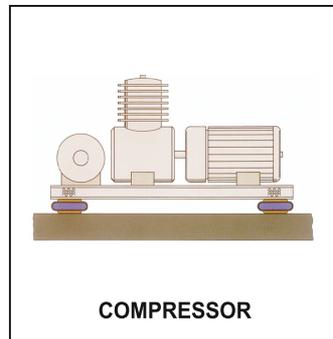
WEAVING MACHINE



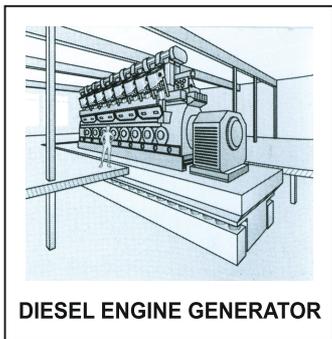
3D - COORDINATE
MEASURING MACHINE



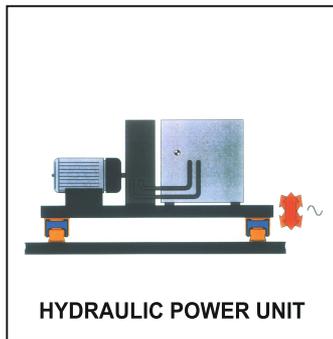
BLOWER UNIT



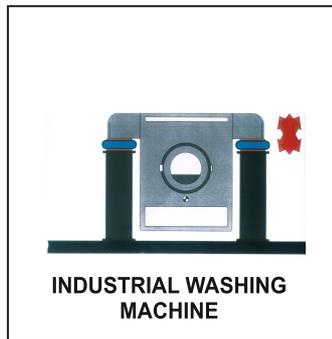
COMPRESSOR



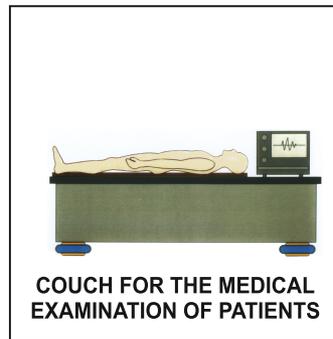
DIESEL ENGINE GENERATOR



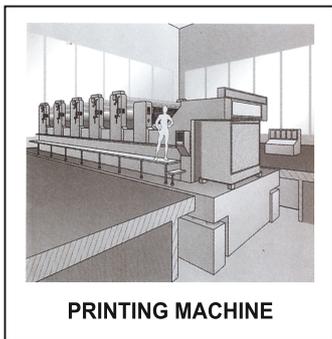
HYDRAULIC POWER UNIT



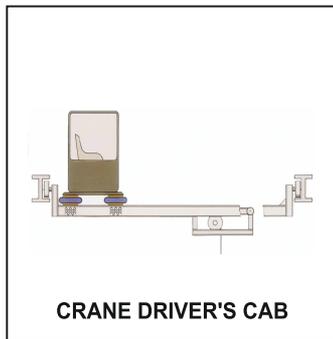
INDUSTRIAL WASHING
MACHINE



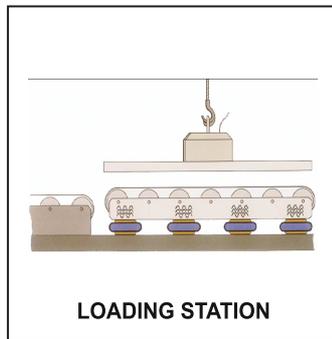
COUCH FOR THE MEDICAL
EXAMINATION OF PATIENTS



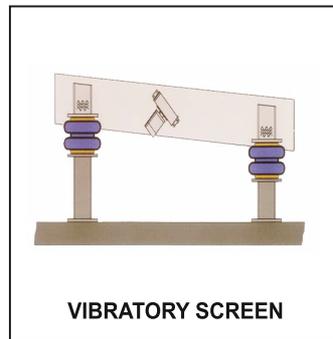
PRINTING MACHINE



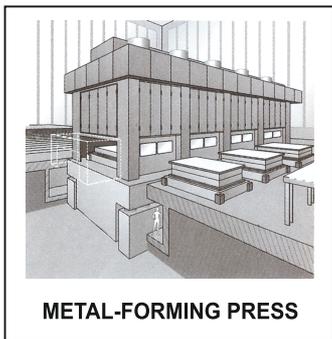
CRANE DRIVER'S CAB



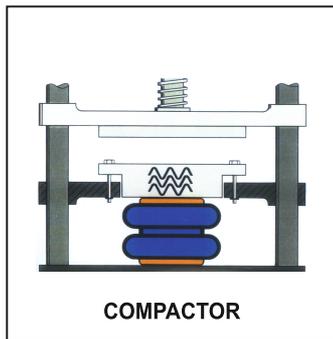
LOADING STATION



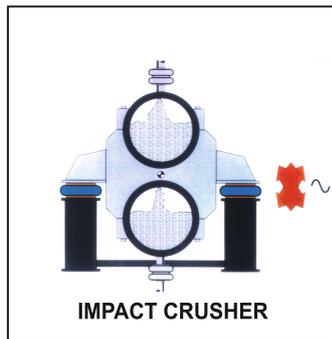
VIBRATORY SCREEN



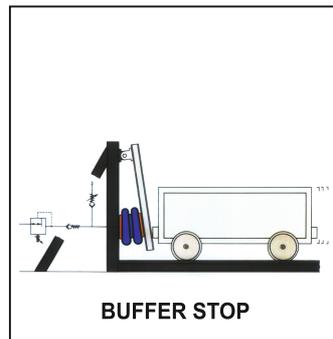
METAL-FORMING PRESS



COMPACTOR



IMPACT CRUSHER



BUFFER STOP

For more detailed information and technical assistance, please contact our Applications Engineering Group.

RESISTOFLEX
DYNAMICS PVT. LTD.

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 Regd. Off.: A-7, Sector-2, Noida, Uttar Pradesh - 201301 CIN: U74899UP1992PTC183075
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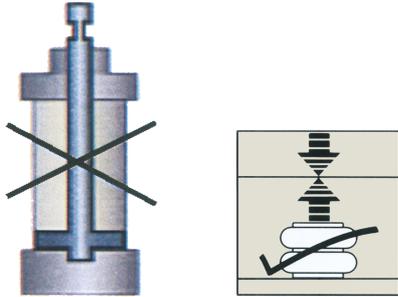
www.resistoflex.in

AIR SPRING SYSTEMS



AIR ACTUATOR

REDEFINING PNEUMATIC SYSTEMS



DIAMETER : 50 - 800 mm
LOAD RANGE : 1 - 240 kN
STROKE : upto 400 mm

USED FOR LIFTING, PUSHING, TURNING, TILTING, TWISTING AND OTHER MOTIONS IN :

Food and beverage processing industry

Iron and Steel Industry

Woodworking Industry

Power Transmission Industry

Chemical Industry including Mechanical Equipment

Plastics Processing Industry

Textile Machines

Materials Handling

Shipbuilding

Printing and Paper - Making Machines

Air -conditioning Systems

Mining Machinery

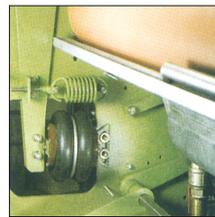
Ventilation Systems

CONTI®Air Springs are used for all types of road and rail vehicles and to isolate vibrations for foundations and stationary machines.

Air Actuators are identical to Air Springs in design. In pneumatic applications they act as cylinders, e.g. to raise and lower loads.

CONTI®Air Springs are versatile products for pneumatic systems in widespread industrial use. The bellows design works without frictional loss.

Simple and compact design allows a favourable overall construction. They are ideal for a wide range of applications in mechanical engineering and machinery building. They have a precise response, are robust and cut costs.



< Textile processing machine (Foulard)

CONTI®AIR Actuators provide uniform contact pressure between rollers and compensate for irregularities in the textile material being processed by its springiness. Wear on machine components is substantially reduced, repair costs are cut, performance is improved.

Scissor - Type Lifting Platform >

CONTI®AIR Actuators has resulted in considerable cost savings. The overall lifting height is 350 mm; the load bearing capacity is 50 kN.



The benefits :

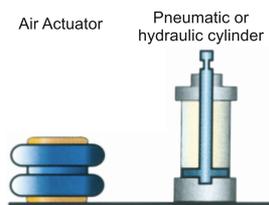
BETTER PERFORMANCE - THANKS TO

- individual solutions based on a wide product range
- the right solutions for sensitive levelling problems
- flexible solutions for various media
- maintenance -free solutions under difficult conditions
- reliable solutions for greater operational efficiency

LOWER COSTS - THANKS TO

- uncomplicated design
- simplified construction
- compact size
- absorption of lateral forces and isolation of vibrations
- easy installation
- long service life
- maintenance - free

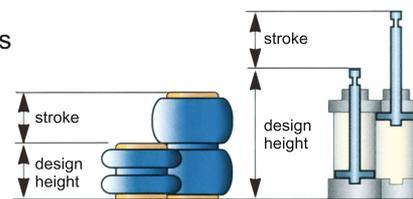
The correct solution for sensitive control problems



Cost saving thanks to simplified construction



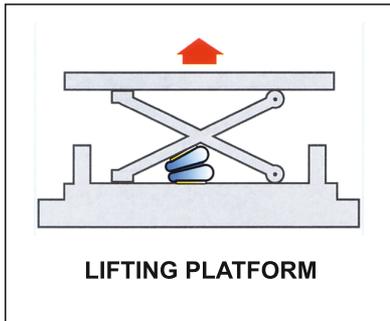
Cost saving thanks to low space requirements



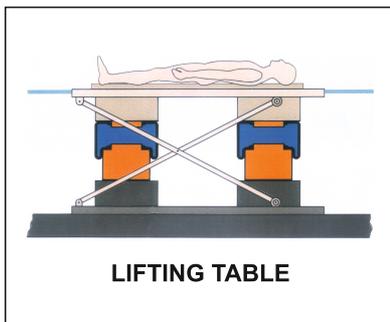
TYPICAL APPLICATIONS

AIR ACTUATOR

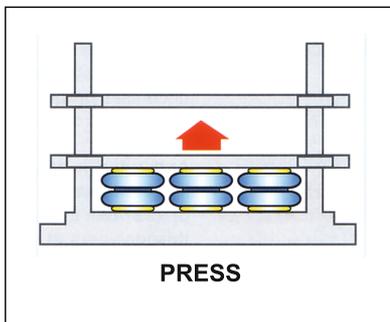
Air springs have successfully solved actuating problems at a reduced cost in applications including:



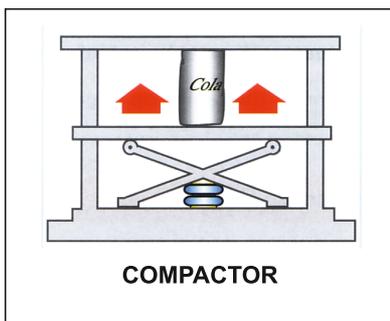
LIFTING PLATFORM



LIFTING TABLE

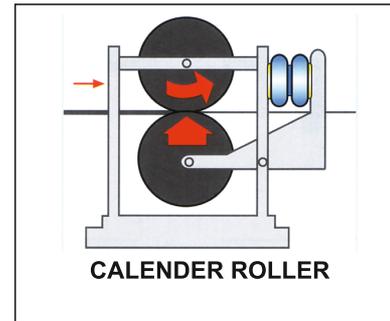


PRESS

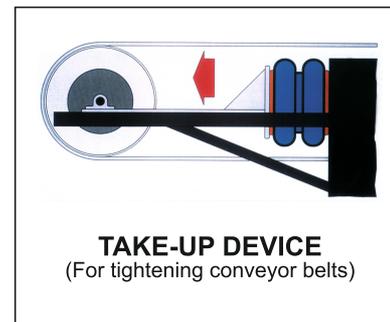


COMPACTOR

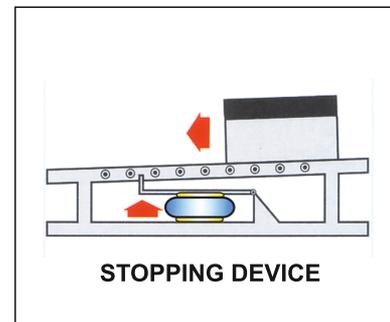
- Injection or ejection of parts in manufacturing processes
- Tensioning devices for cables calender rolls and conveyors
- Force devices for die cutting and stamping
- Positioning devices in manufacturing processes
- Clamping devices for wood gluers etc.
- Vertical lift force for platforms and for rotating tables
- Rotary shaft actuators
- Double acting actuators for stitching machines
- Drain valve actuators
- Actuation to engage and disengage power on a powered roller conveyor
- Power source in direct-acting forming press (metal and plastics)
- Power source in compactors
- Power source in laminating plywood presses
- Granite slab positioners
- Pallet lifts
- Lift actuators for diagnostic tables in hospitals
- Reciprocating shaft seal
- Underwater actuators for gate controls
- Lumber positioner actuators in sawmills
- Actuators for concrete block machinery
- Directional-change actuators in roller conveying systems
- Actuators for flask lifts on foundry shake-outs
- Actuators on bottle and carton filling machines
- Bin-tilting actuators (for ease of access)



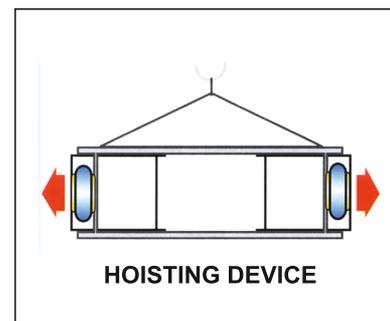
CALENDER ROLLER



TAKE-UP DEVICE
(For tightening conveyor belts)



STOPPING DEVICE



HOISTING DEVICE

For more detailed information and technical assistance, please contact our Applications Engineering Group.

RESISTOFLEX
DYNAMICS PVT. LTD.

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