



Janatics Pneumatic Systems

“a reliable solution for your control needs”

20+
YEARS EXPERIENCE

800+
CUSTOMERS

2000+
APPLICATIONS

300000+
UNITS SOLD

WHY CHOOSE JANATICS

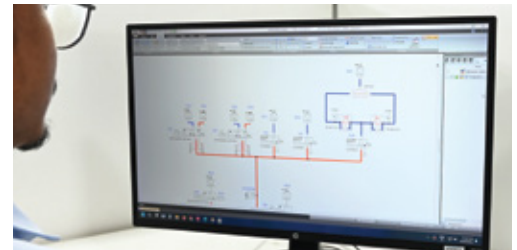


- | High quality and reliable product
- | Wide range of products
- | Prompt customer service
- | Automated and flexible production lines
- | Exporting to over 46 countries

END-TO-END SOLUTIONS

Circuit design, Simulation and Optimisation

Collaborate with customers on development, offering circuit design and simulation solutions. Virtual simulation ensures to select the right products for specified applications.



System design

We specialize in crafting pneumatic systems with compact designs, precisely tailored to meet our customers unique requirements like Bill of Materials (BOM), Colour, Material, Mounting options and form factor.



Manufacturing

Key steps in manufacturing the control panels include designing, procurement of components, control panel assembly, testing and quality control to ensure efficient and reliable operation.



FEATURES OF JANATICS PNEUMATIC SYSTEMS



Pre-assembled systems for easy & fast commissioning



A single source for complete system



Guaranteed operational reliability



IP Protection and CE certifications according to the requirement



Makes repeat ordering easy



Door and Railway systems are qualified for vibration and shock resistance



Various tube materials like PU, SS & Copper according to the Application



Offering CRCA, SS & ABS enclosures to specific environments ensures optimal suitability

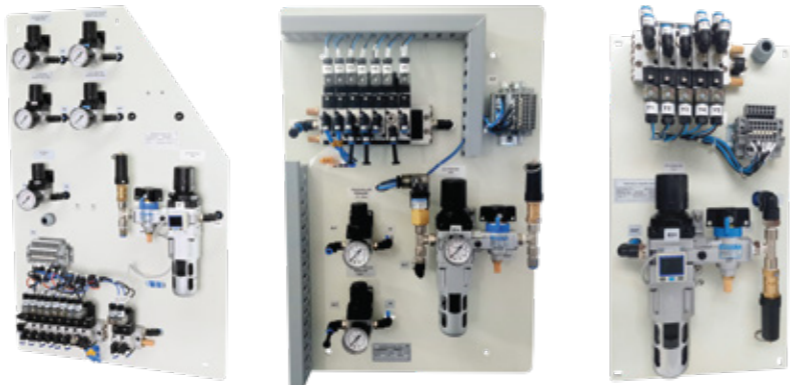


Customized designs according to the customer requirements



Integrated field bus communication systems

TEXTILE



Spinning

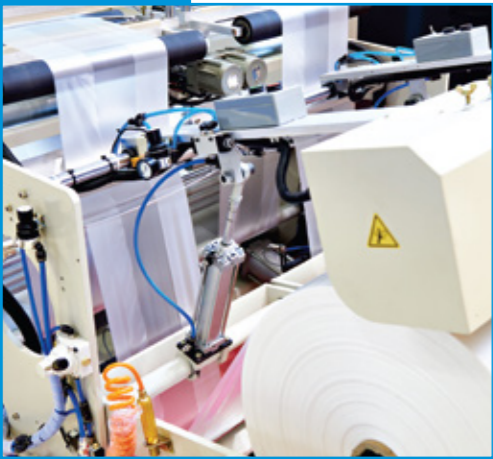
Blow room - Carding - Draw frame - Comber - Unilap - Speed frame - Ring frame - Winding

CONSTRUCTION



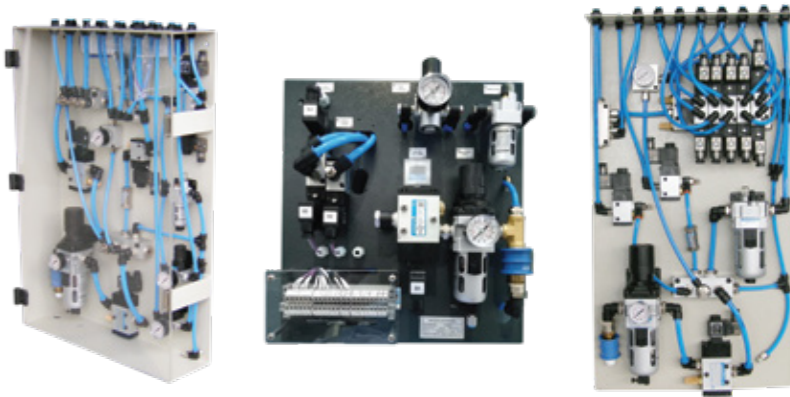
Batching plant: Hopper & Silo gates open close
Truck mixer: Pressurizing the admixtures

PROCESS



Water control gates | Cattle feed machine | PVC Mixer machine
Induction furnace | Food processing machine | Aluminium foiling machine

MACHINE TOOL



VMC | CNC | HMC: Tool changing - Part indexing - Clamping & De-clamping

AUTOMOBILE



JK Door | Inswing door | Outswing door - Door open & close

RAILWAY



Electro pneumatic pressurized toiletry flushing system | Door system

CYLINDER WITH POSITIONER

Typically, pneumatic cylinders operate in a binary fashion: fully extended or fully retracted. However, with the addition of a positioner, the piston rod's position can be controlled to stop at any desired point within its range of motion. This allows for more precise control and opens a wider range of applications where fine positioning is necessary.



Pneumatic positioner



- Input signal range
3 - 15 psi
- Linearity
<0.7% of Full scale
- Hysteresis
<0.4% of Full scale
- Repeatability
<0.3% of Full scale
- Flow capacity
80 lpm

Electro Pneumatic positioner



- Input signal range
4 - 20 mA
- Linearity
<1% of Full scale
- Hysteresis
<0.6% of Full scale
- Repeatability
<0.5% of Full scale
- Flow capacity
80 lpm

Smart positioner



- Input signal range
4 - 20 mA
- Linearity
<0.5% of Full scale
- Hysteresis
<0.1% of Full scale
- Repeatability
<0.2% of Full scale
- Communication
HART

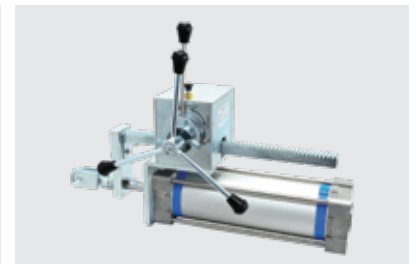
CYLINDER WITH LIMIT SWITCH

A limit switch with a cylinder could be a setup where the motion of the cylinder is controlled or monitored by a limit switch. A cylinder extends or retracts to a certain position, and when it reaches that position, it triggers the limit switch, signalling the controller to stop the cylinder's motion or to prevent overtravel or perform some other action.



CYLINDER WITH MANUAL OVERRIDE

Rack and Pinion Manual Override integral to pneumatic linear cylinder is compact and efficient in operation. Engage and Dis-engage mechanism allows the user to use override at any position.



Power cylinders available diameter from 40mm to 200mm.
Available with Bellows, Mounting accessories, Airlock valves etc.,



Our Global Footprint

Janatics exports to over 46 countries in **North America, Europe, Australia, Middle East, Africa and South East Asia.**



Marketed by:

JANATICS GLOBAL SOLUTIONS PRIVATE LIMITED

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