

SMC Digitalization, Sustainability and Condition-based Monitoring

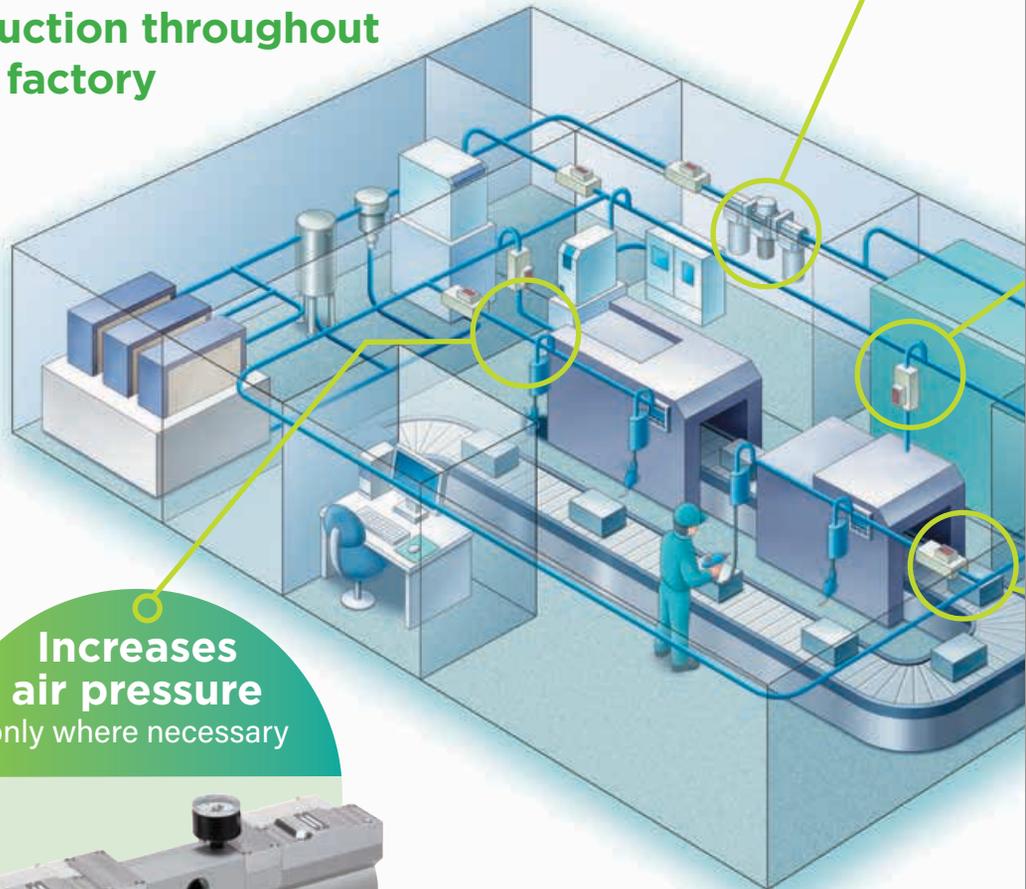
Pneumatic instruments use pressurized air produced by compressors as their power source. By maintaining a low air pressure and flow, one can reduce the energy consumed by the air compressors. As a specialist in automatic control equipment including pneumatic instruments, SMC provides total solutions that reduce the overall amount of energy consumption at our customers' factories.

**Compact,
lightweight,
energy-saving**

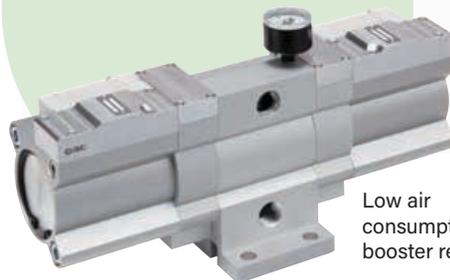


- Our air pressure booster can be used to boost pressure in specific application, only where necessary, in order to keep the main supply air pressure low
- Compact, lightweight, air-saving, and energy-saving products based on our knowhow cultivated over many years
- Visualizing air pressure, air flow, and temperature and reducing air leaks
- Automatically controls air pressure and air flow in line with the operating conditions of the facility

**Contributes to CO₂
reduction throughout
the factory**



**Increases
air pressure
only where necessary**



SMC products are moving into peripheral related markets.

SMC products are not confined to the limits of conventional pneumatic control components, but are reaching out to cover peripheral markets as well. SMC products are developed to satisfy unique requirements, and we are committed to developing products for new markets to satisfy all of our customers.

Visualizing and controlling air pressure, air flow, and temperature



Wireless

Wireless



IO-Link



Base

Air Management System (AMS)

Idling Optimization

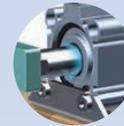
Reduce CO2

Visual Indication

Expandable



Leaks from pipe connections due to installation errors



Leaks caused by sealing friction



Purge air consumption necessary for functioning



Showcase in SMC's production lines

