Process Management Condition Monitoring & Centerlining Tools

SMC has an increasing range of management and monitoring solutions that can be used to reduce both product and process variations and improve machine efficiency through visual and data analysis.

Our experts can help increase your process control and product quality, thereby helping you to reduce waste and cost

Thanks to improved fault finding capabilities, our cutting edge components can also help detect and identify issues at an early stage. SMC supports autonomous maintenance, with real time feedback from the machine systems and components providing data for analysis to help reduce machine downtime, unplanned stoppages and improve maintenance planning.

By adopting centerlining activities you can identify and monitor optimum process conditions, streamline operating procedures and even reduce set-up and changeover times.

And with the current focus on health and safety in the workplace, centerlining can also incorporate tamper-proof components in your systems to meet the growing need of increased legislation.

SMC Approach to Total Business Solutions

Our Total Business Solutions strategy covers all aspects of today's highly complex manufacturing industry. It focuses on:

- 1. Energy Management
- 2. Health & Safety
- 3. Learning & Development
- 4. Productivity

In addition to advising customers on these specific areas, our Total Business Solutions strategy is built around Five Keys to Success

- Listening we maintain regular contact with customers and we listen to the business issues facing them, giving us a much greater understanding of business needs;
- The Big Picture we take a holistic view of your business and the demands made upon it to develop a range of solutions;
- Broad industry experience enables us to identify opportunities for all aspects of your business, from improved productivity and factory throughput to energy management, health & safety issues and even risk management;
- Exploiting technology our technically led approach to customer support delivers not just a component solution but addresses all aspects of the design and production process;
- Being there we always aim to deliver a future proof solution for customers so together we can look ahead and stay ahead of the competition

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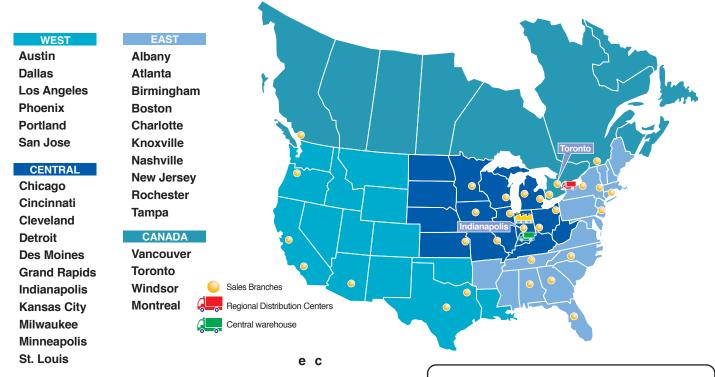
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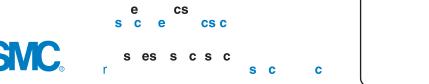
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All reasonable efforts to ensure the accuracy of the information detailed in this catalog were made at the time of publishing. However, SMC can in no way warrant the information herein contained as specifications are subject to change without notice.



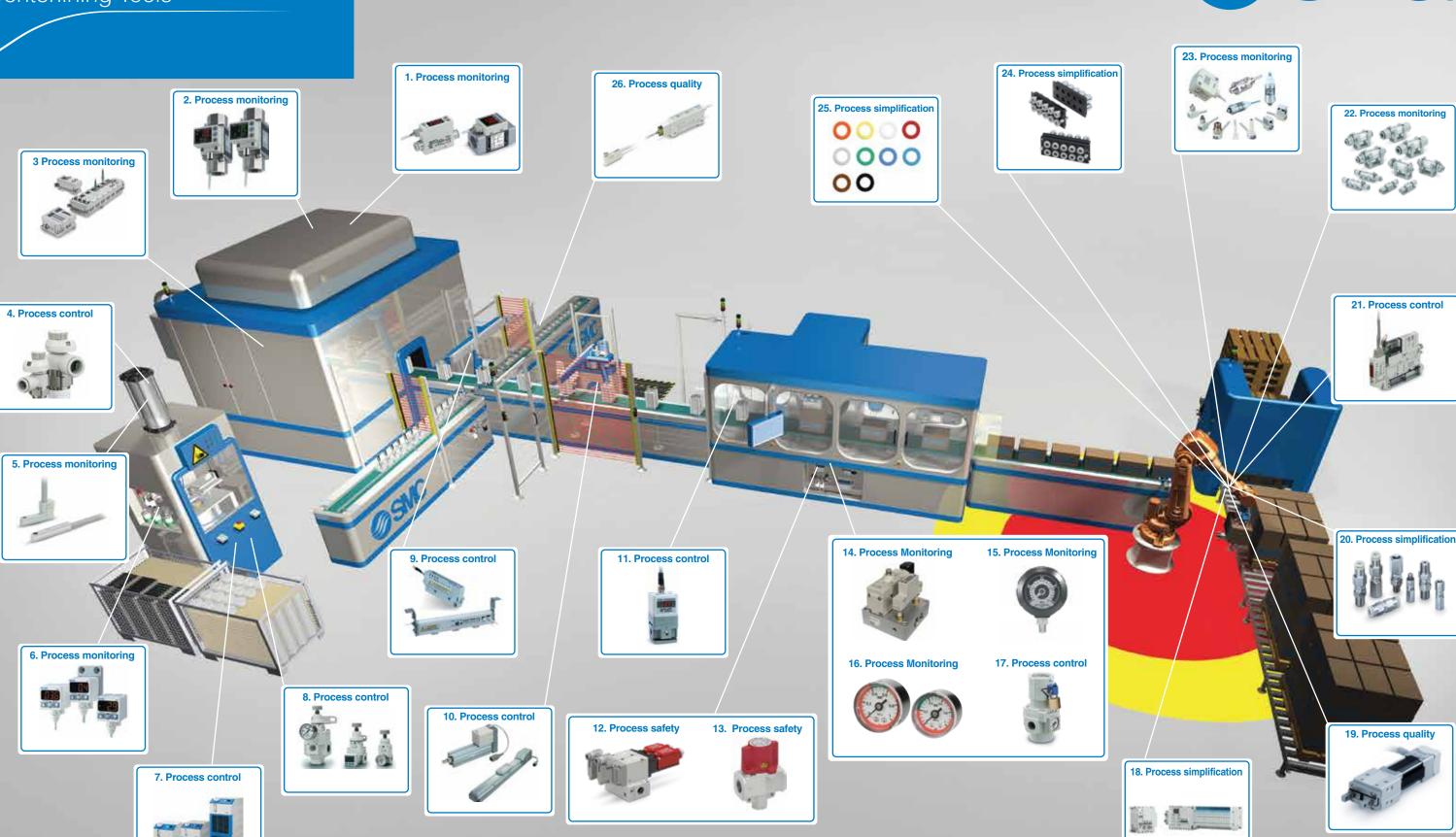
Condition Monitoring & Centerlining Tools

XS-PG-2M

Process Management Condition Monitoring & Centerlining Tools

SMC





Speak to our experts and let SMC be your supplier of choice for condition monitoring and centerlining tools today.

Applicable Products

Process Monitoring

sensor for water

- 1. Series PFMB 2 Color Display Switch
 - Improves visual monitoring and diagnostics

Improves visual monitoring and diagnostics

Combined digital flow switch and temperature

• Improves ability to maintain working tolerance

Improves visual monitoring and diagnostics

6. Series ISE/ZSE Digital pressure & vacuum switches

2 color visual status indication

2. Series PF3W Digital Flow Switch

• 3 color / 2 screen display

3. Series EX600 Fieldbus system

5. Series DM-9 solid state switches

 2 color visual status indication Digital and analog outputs

Diagnostic functions

Remote access

2 color indication

Digital flow switch for air and nitrogen

• Enables condition based monitoring

15. Series GD40 Pressure Differential Gauge

· Improves machine availability

Reduces unplanned stoppages

• Enables maintenance control of filters

14. Series ALDS Automatic Leak Detection System

- Visual indicator for filter element status
- 16. Series G46 Gauges
 - Enables visual confirmation of process parameters

• Accurately locates machine compressed air leaks

• 2 color analog display with limit indicator

22. Series ZFC In-line filters

- Enables optimal vacuum performance and process quality
- Easy installation and flexible mounting
- Clear casing and white element

23. Series PSE Sensors/Controllers

- Enables point-of-use monitoring
- Handles a range of fluids, pressure and vacuum
- Remote mounting

Process Control

4. Series AS-FS flow controllers

- Enables standard operating procedures
- Allows accurate setting
- Numerical flow control

7. Series HRS Chillers

- · Ensures consistent product quality
- High accuracy process temperature control

8. Series IR Regulators

- · Ensures consistent product quality
- · Precision pressure setting and control

Series IZN/IZS Ionizers

- Ensures consistent product quality
- Controls/eliminates static electricity
- Operator safety

Process Simplification

20. Series ZP2V-B Vacuum Saving Valve

- Reduces changeover times and tooling costs
- Utilizes check valve to reduce air consumption

Process Quality

19. Series LEHZ Electric Gripper

- Ensures consistent product quality
- Programmable speed, force and postioning

Process Safety

12. Series VP Dual monitored dump valves

- Simple integration to achieve required performance level
- Compliant to harmonized standard ISO 13849-1 Category 3/4

Programmable speed, force and position

10. Series LE Electric Actuators

• Enables flexible production

- 11. Series ITV Electro-Pneumatic Regulator • Ensures consistent product quality
 - Automatic pressure/vacuum regulation
 - Proportional control of air pressure and vacuum

17. Series AR Tamper-proof Components

- Maintains standard operating procedures and safety levels
- Lockable cap

21. Series ZK2 Vacuum Unit

Reduces air consumption and energy costs

Eliminates connection errors (poke yoke)

· Minimizes installation errors and reduces

• Enables accurate matching of fittings to tubing

Digital vacuum switch

24. Series KDM Multi-Connector

25. Series KQ2C color Caps

changeover times

· Reduces changeover times

18. Series EX600-W Fieldbus System

- Reduces installation and running costs
- Stable and secure wireless connection
- High speed communication

26. Series D-M9K Trimmer switch

- Ensures consistent product quality
- 3 color visual indication
- Dual switched outputs

13. Series VHS Valves

- Enables safe working Lock Out/Tag Out practices
- Lockable, 3 port pressure relief isolation valve

