

High performance,
speed and reliability



GRAVURE PRINTING

VISION RS 5003

Advancing flexibility

The **VISION RS 5003** is a highly productive press that delivers high quality printing at speeds up to 450 m/min on a wide range of flexible substrates for the efficient production of short, medium and long runs of flexible packaging and other flexible material applications.

Automation solutions and smart trolleys make job preparation fast and easy. Winders to enable fully automatic bi-directional reel splice at maximum speed. The flexible architecture of the press offers various options, including press styling and livery - standard or enhanced.

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Automation and ergonomics for
higher press uptime

Exceptional print quality
across substrates and applications

Advanced sustainability
with cost savings

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Creating value

BOBST innovations
are driven by customer
and brand owner needs.

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Safety

Food safety and brand protection are major requirements. Anti-counterfeiting and traceability are required across the entire supply chain.

Customization, versioning, personalization

Packaging needs to reach all segments of society taking almost any shape and size across multiple job lengths across the globe.

Color control and brand image

Color consistency and control across all substrates needs to be guaranteed for brands to look good across the globe.

Sustainability

Packaging production needs to reduce its environmental carbon footprint – less waste across the entire supply chain. New and thinner substrates. Recycling and re-use are the new rules.

Faster time-to-market

A growing number of products need to reach consumers faster. Product lifetime is shorter. From product design to the consumer experience, the supply chain has to be more agile.



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High quality printing at high speed

- Printing on a wide range of materials including new eco-friendly substrates
- Easy and effective web handling
- Inking roller automatic release for quick changeovers
- Production speed up to 450 m/min
- High efficiency of extended dryers enables to print at high speed also when applying full white ink coverage, cold seal or lacquers
- Very accurate tension control from unwinder to rewinder
- No wrinkles even with critical/sensitive materials
- Faster register correction at speed variations
- Enhanced viscosity control system with ink cooling device for outstanding stability of printing process



Exclusive drying technology

- Unique Twin Flow dryer for higher efficiency drying
- Dual airflow technology - impingement and flotation
- The new extended hoods allow for optimal drying of full white ink coverage, cold seal or special lacquer application at the end the process
- Book type opening of the hoods for easy access to the dryer
- Ventilation blowers driven by inverter
- Heat recovery system on each printing unit
- Corrosion-resistant components are ideal for water-based applications



Superior performance

- Quick job makeready and changeovers with automatic release of roll in inking unit
- Machine in production with only two operators
- Tool-less change of impression roller sleeve
- New Doctor Blade system with easy and quick setting
- Smart trolley solution to change the printing cylinder without changing the ink, minimizing colour matching time
- Precise and uniform ink distribution with either MPI or HSM inking systems
- New winders enabling on-the-fly high speed splicing at 450 m/min

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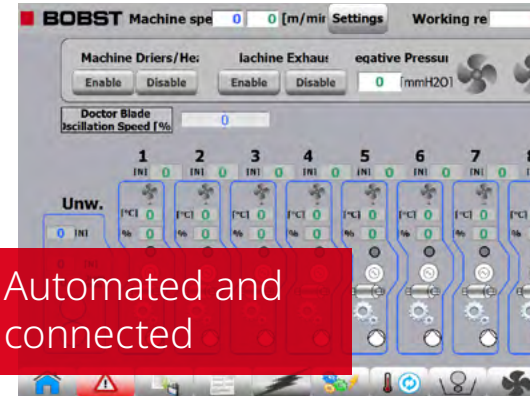
Operator-friendly design

- Solutions to improve the health and safety of the operator
- Solvent smell in the printing area down to 400 ppm
- Noise level in the pressroom down to 80 db(A)
- Optimum accessibility to all machine sections for cleaning and maintenance
- Full compliance with CE safety standards



Advanced sustainability

- Fully compatible with water-based inks
- Minimized waste from TAPS (Total Automatic Pre-register Setting) and Registron® register control system
- Minimum ink volume in circulation and short web path
- Low solvent retention on final product from exclusive Twin Flow dryers
- Energy savings with ventilation regulated via inverter to reduce damper losses
- Automatic adjustment of ventilation air speed at machine stop
- Lower Explosion Limit (LEL) system to reduce emissions into the atmosphere
- Common DC-Bus for optimum electrical energy balancing



Automated and connected

- Range of BOBST Connected Services
- Exclusive automation features ensuring process repeatability and required productivity
- Ethernet based connectivity to enable remote access to production and process data
- Energy improved efficiency
- New SPHERE Human Machine Interface enabling:
 - Creation of a digital twin of produced reels
 - Downtime tracking and waste management
 - Maintenance programming

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| | | |
|----------|---------------------|------------------|
| 1 | 5.5 m | 18 ft* |
| 2 | from 21.6 to 28.3 m | 70.8 to 92.8 ft* |
| 3 | 5.6 m | 18.3 ft |

*Measurements as per machine configuration featured above. Values may vary according to the configuration.

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Materials handled

| | |
|------------|----------------------------|
| Substrates | Film, laminates, paper |
| Inks | Solvent-based, water-based |

Capability

| | | |
|------------------------------|------------------------------|-----------------------|
| Web width | 1000-1200-1300 mm | 39.4 - 47.2 - 51.2 in |
| Printing cylinder repeat | 380 - 940 mm | 14.9 - 37 in |
| Mechanical speed, max | 450 m/min | 1476 ft/min |
| Web tension | 35 - 350 N | 35 - 350 N |
| Standard dryer inside length | 1.75 - 3.0 - 4.4 m | 5.7 - 9.8 - 14.4 ft |
| Heating system | Thermal oil, electric, steam | |

Products

| |
|--------------------|
| Flexible packaging |
|--------------------|

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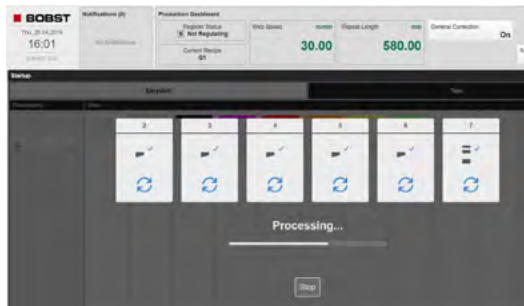
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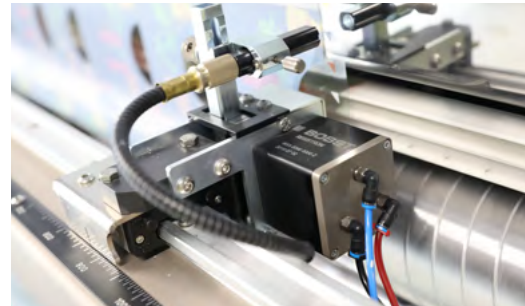
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Related products



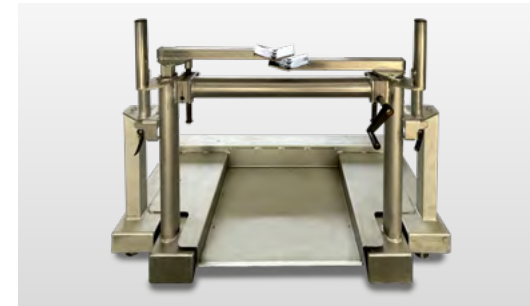
TAPS

Fully automatic pre-register setting system. Perfect machine registration complete in a very short time at the touch of a button, with minimum start-up waste. Fast and simple operation regardless of the operator skill.



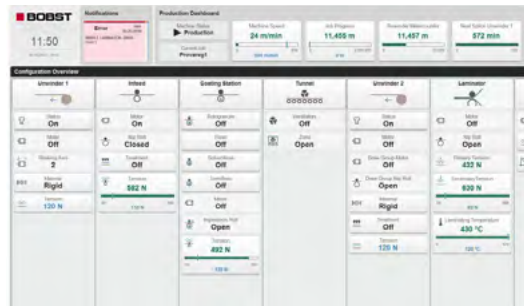
REGISTRON® register control system

Exceptionally precise and rapid print-to-print register control. Corrections are quickly and precisely done while machine downtime and waste are reduced to a minimum.



Smart trolley

Unique design granting unprecedented flexibility in job preparation and ink logistics. It enables to keep the process colors always on-board, regardless of where on the press they should be positioned. An outstanding solution for increasing productivity and uptime, while decreasing costs.



SPHERE

SPHERE, BOBST new Human Machine Interface (HMI), allows the operator to control and manage the machine operation, by displaying in real time the status of the main production parameters, making it possible to modify the initial settings.

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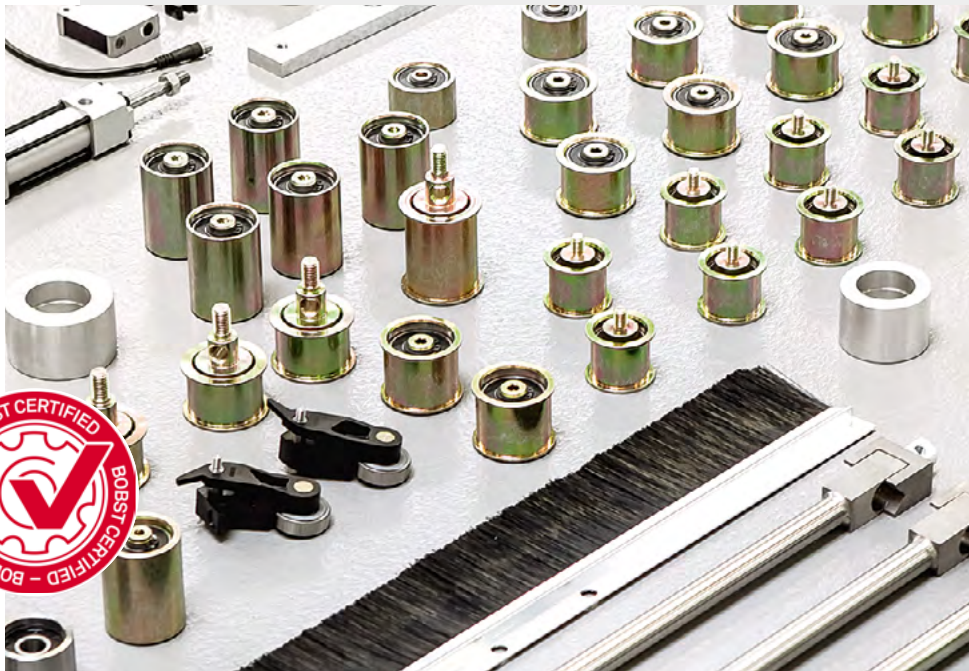
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Maintaining excellence

Expert services for all your equipment.
Improve your processes, boost your productivity
and enhance your expertise with a complete range
of services from BOBST.



Maintenance Plus

- Scheduled maintenance with BOBST certified technicians
- Preventative intervention, maximizing machine uptime
- Optimum performance over the equipment lifetime

[> WATCH VIDEO](#)

Approved parts and logistics

- BOBST Original and Certified parts, and consumables
- Quality assurance, and extended maintenance intervals
- Worldwide distribution, and full availability where and when you need it

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Machine upgrades

- Additional features, configured for your machine
- Enhanced functionality, connectivity and capability
- Future-proofing your investment, maintaining competitive advantage

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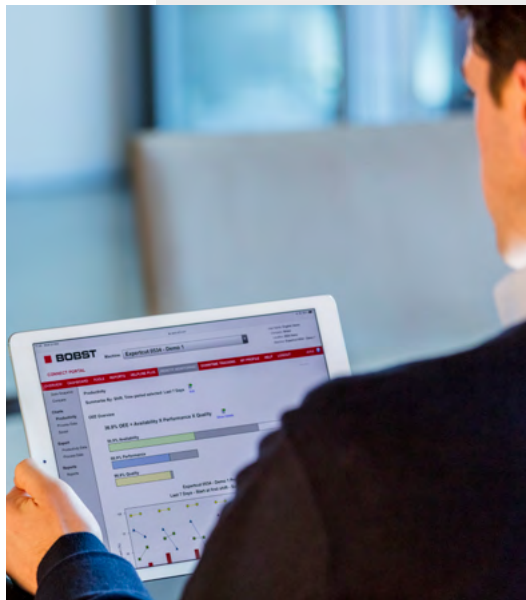
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Switch on digital transformation

BOBST Connected Services ensures your business is ready for the changing world of digital manufacturing. Our range of apps and technical support brings full connectivity to your equipment and processes – providing you with a wealth of real-time data, analytical tools and expertise – helping you work smarter and more productively.



Helpline Plus & Premium*

- Remote access intervention, with BOBST technicians
- Expert support, eight hours a day, five days a week
- Maintain production, reduce callouts by 80%

Helpline Plus & Premium* AR

- Enhanced remote assistance with Augmented Reality
- Visual instructions right in front of you
- Available for internal use

*24/7 support in selected areas.

Connect Portal

- User friendly web portal containing equipment data, reports and analysis
- Access insights on the go with **Mobile Portal** from your smartphone

Remote Monitoring

- Real-time production KPIs
- Alerts and notifications
- Enabling control and decision making

Downtime Tracking

- Track downtime and understand the root causes
- Enabling continuous improvement in productivity MES / ERP interface
- Web-based API for simple equipment data interface
- Data link and ERP Interface protocols for on-site direct integration

> WATCH VIDEO

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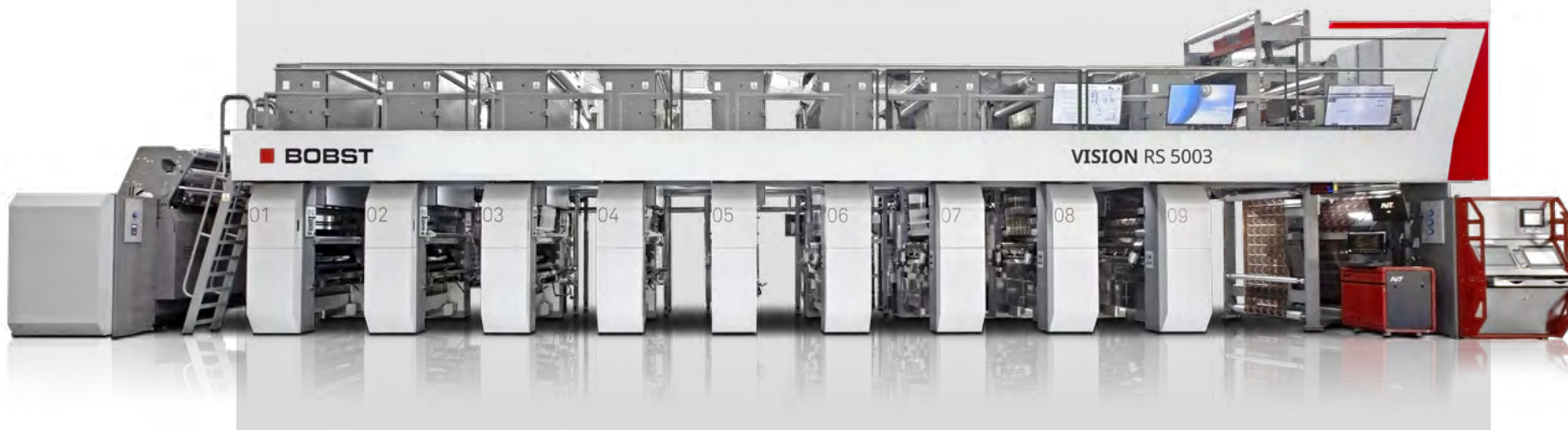
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