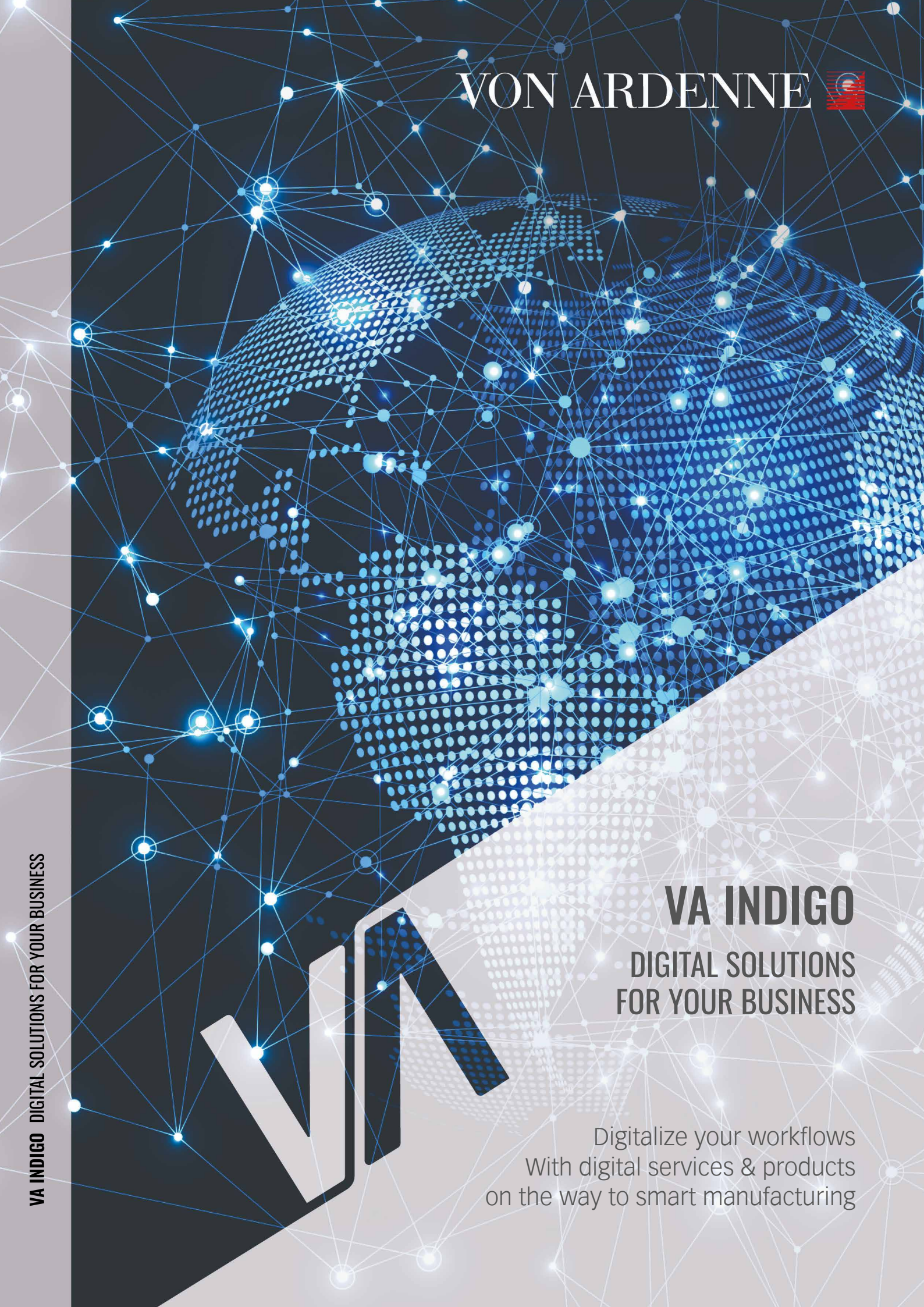
VON ARDENNE



VA INDIGO

DIGITAL SOLUTIONS FOR YOUR BUSINESS

Digitalize your workflows
With digital services & products
on the way to smart manufacturing

VA INDIGO DIGITAL SOLUTIONS FOR YOUR BUSINESS

DIGITALIZE YOUR WORKFLOWS

WITH DIGITAL SERVICES & PRODUCTS

VA INDIGO

Digital Solutions for Your Business

With **VA INDIGO**, we support you in digitalizing your workflows regarding machine operation – from installation and training to operation, maintenance and troubleshooting to service and support.

The world is getting more and more digital and the industry with it. An important aspect of this development is the digitalization and networking of machines, logistics, periphery systems and resources based on collecting, transferring and analyzing data. This will enable the optimization of not just one production step but a complete value chain. Furthermore, it will open new ways of providing products and services.

Based on this global development, we support you in meeting future requirements such as autonomy, connectivity, productivity, predictability, and flexibility. And we help you to start into the next era of production.

Optimized use of resources

through automated processes

Higher yield & lower costs

for quality & damage management

Enables larger product portfolio

with more profitable products

VA DASHBOARD is the gateway to your coating machine. It summarizes important information about your production equipment on a single screen.

VA DASHBOARD

Visualization of Production KPIs

PROCESS SUITE

Automation & Monitoring

The **PROCESS SUITE** is covering all coating process related software products. We understand the critical importance of maintaining stable and efficient processes while improving yield and usability.

With the **PROCESS SUITE**, we support your operators in making the coating machines as autonomous as possible and in monitoring the process.

- VA PROCESSMASTER
- VA SMART OPERATOR
- VA TIPCOS
- VA PROCESSMONITOR
- VA TRIMSHIM
- VA PROCOS

ANALYSIS SUITE

Data Review & Analysis

The **ANALYSIS SUITE** is tailored to meet all your analysis needs. From data collection and provision to in-depth analysis and correlations, this suite offers you a comprehensive solution to make full use of your data.

With intuitive dashboards, trend, exporting and visualisation tools process, your engineers can create their own analysis toolbox, supporting root cause analysis and technological optimization of products and machines. Predefined visualized KPIs provide you with overviews tailored to your needs.

- VA VACUUM ANALYZER
- VA PROCESSDB INTERFACE
- VA TRENDS & EXPORTER

SERVICE SUITE

Smart Services

The **SERVICE SUITE** is designed to cover every aspect of your maintenance operations - from ordering spare and wear parts to providing remote support and managing maintenance schedules.

With comprehensive features, including staff training and a knowledge database, this suite is your one-stop solution for optimizing efficiency and maximizing uptime.

- VA CATALOG
- VA COLLEGE
- VA LIVE
- VA PEDIA
- VA CATHODE MANAGEMENT
- VA MAINTENANCE MONITOR

VA SMART OPERATOR

Automated Recipe Routines

DAILY QUESTIONS

HOW CAN I EFFICIENTLY SWITCH FROM COATING PRODUCT 1 TO PRODUCT 2?

HOW CAN I GET STANDARDIZED RAMP-UPS AND RUMP-DOWNS?

OUR SOLUTION

VA SMART OPERATOR
AUTOMATED RECIPE ROUTINES

CREATE PROCESS ROUTINES BY SOFTWARE SUPPORT

PREDICTABLE UP-TIME

MAKES YOUR OPERATOR HAPPY

VA PROCESSMASTER

Automated Process Stabilization

DAILY QUESTIONS

OUR LAYER STACKS ARE GETTING MORE COMPLEX.

HOW CAN I PREVENT DEVIATIONS FROM THE PROCESS?

OUR SOLUTION

VA PROCESSMASTER
AUTOMATED PROCESS STABILIZATION

EASIER & FASTER PRODUCT SETUP

INCREASED PRODUCTION YIELD

MAKES YOUR OPERATOR HAPPY

VA TIPCOS

Tipping Point Control

DAILY QUESTIONS

HOW CAN I EFFICIENTLY FIND THE OPTIMAL WORKING POINT?

HOW CAN I DETERMINE THE TIPPING POINTS OF CATHODES GROUPS?

OUR SOLUTION

VA TIPCOS
TIPPING POINT CONTROL

PREVENT EXCEEDING TIPPING POINT & LESS WASTE

INCREASE SPUTTER RATE

MAKES YOUR OPERATOR HAPPY

VA PROCESSDB INTERFACE

Interface to Machine Data

DAILY QUESTIONS

I NEED TO GET HISTORICAL DATA OF THE PROCESS.

I NEED TO FIND CERTAIN CORRELATIONS.

OUR SOLUTION

VA PROCESSDB INTERFACE
INTERFACE TO MACHINE DATA

ROOT CAUSE ANALYSIS

USE DATA WHERE NEEDED

MAKES YOUR PROCESS ENGINEER HAPPY

VA TREND & EXPORTER

Data Visualizer & Exporter

DAILY QUESTIONS

I NEED A TOOL TO GET DATA FROM THE MACHINE.

I NEED THEM IN A CERTAIN DATA FILE FORMAT.

OUR SOLUTION

VA TREND & EXPORTER
DATA VISUALIZER & EXPORTER

TREND VISUALISATION OF ANY PROCESS PARAMETER

EASY ACCESS TO DATA

MAKES YOUR PROCESS ENGINEER HAPPY

VA VACUUM ANALYZER

Evaluation of Vacuum Quality

DAILY QUESTIONS

DO WE HAVE A CHANGE IN VACUUM QUALITY OVER TIME?

HOW LEAK-PROOF IS THE COATING MACHINE?

OUR SOLUTION

VA VACUUM ANALYZER
EVALUATION OF VACUUM QUALITY

CONCLUSIONS OF VACUUM COMPONENT QUALITY

MONITOR VACUUM OF THE MACHINE

MAKES YOUR PROCESS ENGINEER HAPPY

VA CATALOG

Spare & Wear Parts Catalog

DAILY QUESTIONS

I NEED TO IDENTIFY SPARE PARTS.

3D MODELS COULD HELP ME TO FIND THEM FASTER.

OUR SOLUTION

VA CATALOG
SPARE & WEAR PARTS CATALOG

SPARE & WEAR PARTS - ALWAYS ON TIME

FASTER ORDERING PROCESS

MAKES YOUR SERVICE ENGINEER HAPPY

VA MAINTENANCE MONITOR

Preventive Maintenance

DAILY QUESTIONS

I NEED TO IDENTIFY TASKS & FIND INFORMATION.

HOW CAN I PLAN A MAINTENANCE?

OUR SOLUTION

VA MAINTENANCE MONITOR
PREVENTIVE MAINTENANCE

SUCCESFULLY MAINTENED MACHINE

STEP BY STEP INSTRUCTIONS

MAKES YOUR SERVICE ENGINEER HAPPY

OUR STRENGTHS

In-House Technology & Application Center

- Sample coatings of customer applications
- Development of customized layer stacks
- Product & process verification and optimization
- Testing of new technologies and components

Professional Simulation Support

We offer professional simulation technology to ensure best process quality with regards to plasma, heat and cooling. Furthermore, our simulation tools help demonstrate, develop and improve layer properties and define or optimize processes, details and the performance of our systems.

Close Partnership

VON ARDENNE has a network of partners for even more profound R&D work and to identify future technologies. It consists of:

- Fraunhofer Institutes
- Institutes of the Helmholtz Association
- Universities
- Companies

Global Project Experience

VON ARDENNE equipment is used in over 50 countries. We have established an installed base of hundreds of coating systems worldwide, ranging from small tools to equipment for large-area coating applications for several markets.

Comprehensive Service Portfolio

- VON ARDENNE service hubs around the world
- On-site service
- Remote access by our technology department
- Regular technical and technological trainings
- Spare & wear part warehouse close to customers
- Lifecycle extension of wear parts

Upgrades & Retrofits

As soon as your business is growing, your VON ARDENNE equipment will grow accordingly - thanks to its modular design and the upgrades we provide. We will also supply you with the necessary technology upgrades if you decide to change your applications.
Furthermore, when your equipment is ageing, we will retrofit your systems with new components, no matter if they are VON ARDENNE or third-party machines.

WHO WE ARE & WHAT WE DO

VON ARDENNE develops and manufactures industrial equipment for vacuum coatings on materials such as glass, wafers, metal strip and polymer films. These coatings give the surfaces new functional properties and can be between one nanometer and a few micrometers thin, depending on the application. Our customers use these materials to make high-quality products such as architectural glass, displays for smartphones and touchscreens, solar modules and heat protection window film for automotive glass.

We supply our customers with technologically sophisticated vacuum coating systems, extensive expertise and global service. The key components are developed and manufactured by VON ARDENNE itself. Systems and components made by VON ARDENNE make a valuable contribution to protecting the environment. They are vital for manufacturing products which help to use less energy or to generate energy from renewable resources.

WORLDWIDE SALES AND SERVICE

VON ARDENNE GmbH (headquarters) I Am Hahnweg 8 I 01328 DRESDEN I GERMANY
Sales: +49 (0) 351 2637 189 I sales@vonardenne.com
Service: +49 (0) 351 2637 9400 I support@vonardenne.com
VON ARDENNE Vacuum Equipment (Shanghai) Co., Ltd. I +86 21 3769 0555 I sales-vave@vonardenne.com; support-vave@vonardenne.com
VON ARDENNE Malaysia Sdn. Bhd. I +60 4408 0080 I sales-vama@vonardenne.com; support-vama@vonardenne.com
VON ARDENNE North America, Inc. I Ohio office I +1 419 386 2789 I sales-vana@vonardenne.com; support-vana@vonardenne.com
VON ARDENNE Vietnam Co., Ltd. I +84 28 6272 3189 I sales-vavn@vonardenne.com; support-vavn@vonardenne.com
VON ARDENNE India Pvt. Ltd. I sales-vaid@vonardenne.com; support-vaid@vonardenne.com

Company | Career | Applications | Products | Service

Pictures: VON ARDENNE Corporate Archive, VON ARDENNE Family Archive, shutterstock.com. © All rights reserved. ENGLISH 01/05/2026