

prozax◀

CUSTOM DESIGNED TIRE MACHINERY
INDUSTRIAL AUTOMATION
ROBOTIZED SOLUTIONS

Prozax is a trusted vendor of custom designed tire manufacturing machinery, industrial automation, and robotics

With more than 30 years of experience, Prozax develops both proprietary and fully customized machines tailored to specific manufacturing requirements. We make robotized, high-performance solutions for cord cutting, green tire painting, robotic handling, dry ice mold cleaning, and other critical production processes.

Leveraging deep expertise in tire production processes, backed by in-house design shop and multidisciplinary engineering teams, Prozax provides true end-to-end engineering support. From concept development and prototyping to installation, commissioning, and production ramp-up, the company ensures reliable performance, efficiency, and long-term operational value.



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QUALITY IS NON-NEGOTIABLE

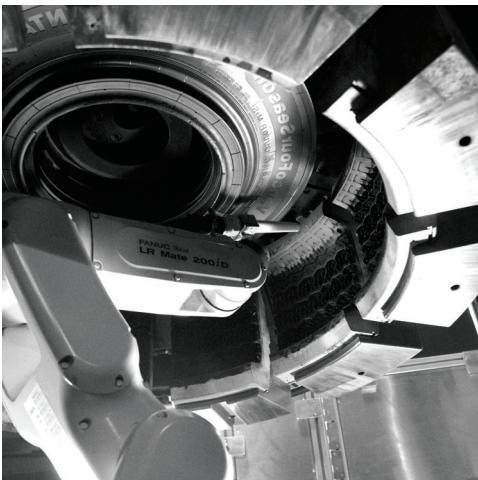
As the ISO 9001 certified business, we always stand behind our robustly built machines, providing generous warranty and after sales support. We don't shy away from travelling. We consider online support essential.

DESIGN & DEVELOPMENT

Our own mechanical design capacities deploying the state-of-the-art 3D modelling and FEA simulations, industrial machine control software development capabilities, robotic coding and real time modelling, prototyping, dry and wet trial testing set us apart and drives the competitive edge of our products and solutions bringing tangible value to our customers.

15 % of our employees are designers, programmers.

2 % of our annual turnover is spent on our design and development teams' training and design tooling.



BASIC FACTS



Established in **1995**
as an independent company
spun off from Continental-Barum

Continuous operation since
1965 (Barum prototype workshop)

Designing and building advanced tire
manufacturing machinery and robotic
automation systems

Annual turnover € 4.0—6.5 million
55 employees

Own design and engineering office
— Mechanical
— Electrical
— PLC
— Robotics

Own machining and assembly
plant, paint shop

ISO 9001 : 2015 Certified
ISO 14001:2015 Certified

Based in Otrokovice, Czech Rep.
Erecting and commissioning worldwide

MACHINES

Being loyal to our original mission to develop prototype machines and equipment for the tire industry, we deploy own R&D, innovate, collaborate with our customers' plant and technical teams, and introduce new solutions.

Fabric and steel cutting, robotized splicing	Bicycle	PCR	TBR	Ag Ind	
Green Tire painting (robotic)		PCR	TBR	Ag Ind	OTR
Dry ice mold cleaning—robotic online and offline		PCR	TBR	Ag Ind	
Robotic handling operations, such as tire stacking, bead wire tape wrapping, and tread booking		PCR	TBR	Ag Ind	
Sidewall repair press				Ag Ind	
Final finish inspection stations				Ag Ind	
Tire building machines 1st and 2nd stage				Ag Ind	OTR
Semifinished product cassettes, transport carts		PCR	TBR	Ag Ind	
Slitting, duplexing, other		PCR	TBR	Ag Ind	OTR

All machines are customizable and can be build to exact customer specification.



MANUFACTURING



CORD CUTTERS

Off Highway—
Agricultural, Industrial, OTR
TBR, PCR, Bicycle
Radial and cross-ply

Continuously adjustable
18—90° cutting angle
Automatic resetting at changeovers

Robotic splicing—
machine vision assisted
Butt splicing or
tight tolerance overlap

Fully automated let-off and
wind-up. Automatic material
threading. Belt duplexing optional

Bidirectional or guillotine cutting
for highest productivity

Single manpower operation

Increasing workforce and
work floor safety by multilayer
electronic fencing and scanning

Building cutters since **2001**

WORKING END-TO-END

As an entirely global supplier, we ship the machines from our manufacturing plant in Otrkovice, Czech Republic to the tire makers in Europe and overseas.

The turnkey installation and commissioning is always supported by our own engineering team.



GREEN TIRE PAINTING

Off Highway—Agricultural, Industrial, OTR, TBR, PCR
Radial and cross-ply; Self- & non-self-standing

8—54" bead diameter; 2,700 kg payload
3,000 mm OD; 6 chuck finger gripper

Automated—multiple robotic assisted for
GT handling and paint application

Single or multiple ventilated booths

Automatic loading/unloading
(conveyor belt or docking station)

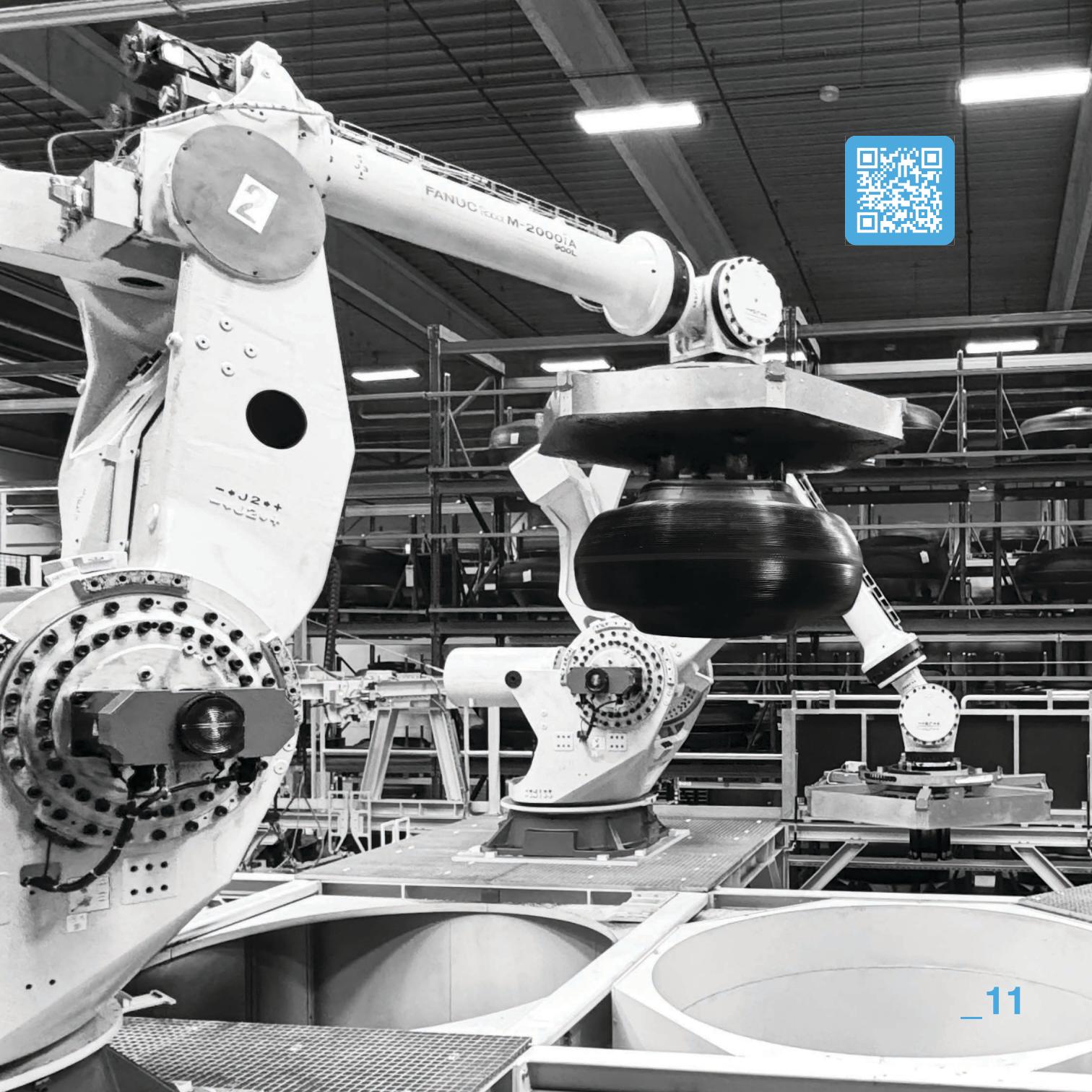
Recipe selection— Automated barcode,
RFID, or Machine vision assisted

Airless or Airbrush; Automatic spray nozzle cleaning;
Multiple paint supply circuits
Precision pumping systems

Precise flow metering; Automatic gripper
and chuck finger cleaning

Increasing workforce and work floor safety
by multilayer electronic fencing and scanning

Building GT painters since **2010**



MOLD CLEANING

Dry Ice robotic cleaning
Excellent for spring vents

Segmented and 2-piece molds

Off Highway—Agricultural,
Industrial, OTR, TBR, PCR

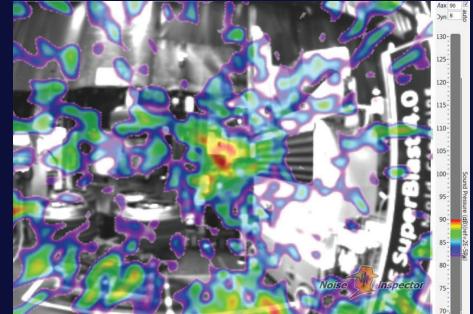
Robotic online cleaning—bringing
the proven dry ice technology from mold
shop to the press, thus saving downtime
and increasing productivity

Robotic offline cleaning for large
molds and frequent changeovers

Robust noise control—custom designed
composite sandwich structure featuring
advanced materials keeping the noise level
for operators' comfort and safety meeting
the exposure limits at the control panel

On-Site Dry Ice production reducing operational
cost via liquid CO₂ bulk supply (recommended)

Building cleaners since **2017**





FANUC Robot
LR Mate 200iD

TRUSTED BY CUSTOMERS

Our valued customer base include tire makers in Europe, United States, India and worldwide. Among other these are — Continental, Yokohama OHT (ATG), Yokohama TWS (Mitas), Balkrishna Industries (BKT), Titan Tire, Toyo Tires, Belshina, Cordiant, Nexen, Rubena, Apollo, Fate...

THE BEGINNING OF OUR JOURNEY

Beginning our passage in 1965, we started as a prototype workshop of one of the largest tire makers in the region. Deep-rooted in the tire industry, we have accumulated extensive experience by working for the Central European tire hub established by Tomas Bata in the 1930s.

Since spinning off by a management buyout in 1995, we have followed an independent path under the name Prozax, standing for “Prototype machines” in Czech.

Through dedication, systematic hard work and the courage of our teams, we have gradually grown into a well-recognized, export-oriented, custom tire machinery manufacturer, delivering automated solutions to the global tire industry.





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