

AGV 1000

MATERIAL HANDLING SOLUTIONS FOR HIGH EFFICIENCY PRODUCTION



Beauto offerings

SOFTWARE

Traditional

Front end & back end dev
Mobile dev
Databases
S/W architecture
Consulting
Outsourcing
Business analytics

Advanced

Digital transformation
Cloud technologies
DevOps, SysOps etc.

Next gen

AI, ML
AR, VR, MR

MECHATRONICS

Traditional

Prototyping
3D modelling
CAD modelling
Analysis

Advanced

IOT
Smart automation
Robotics

Next gen

Industry 4.0
Electrical vehicles

DESIGN

Traditional

UX, ID
Branding
Visual design
Analysis

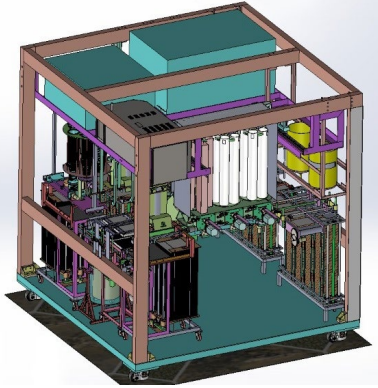
Advanced

HW & SW product design
Product conceptualization
Robotics

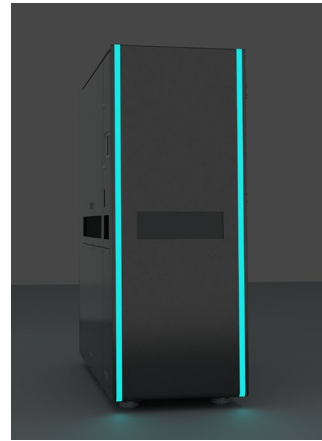
Next gen

Design for next gen devices
like smart watches,
AR/VR devices

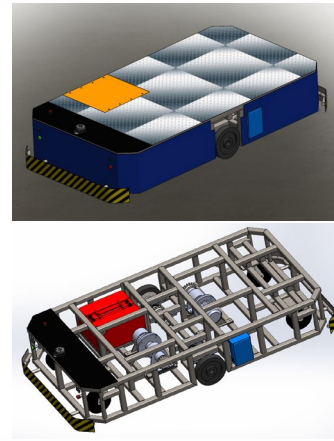
Leading industrial automation solutions



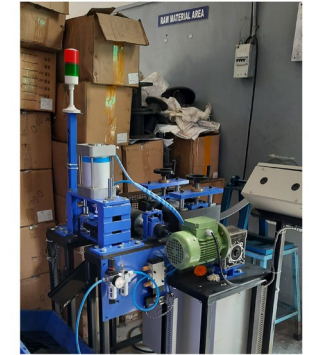
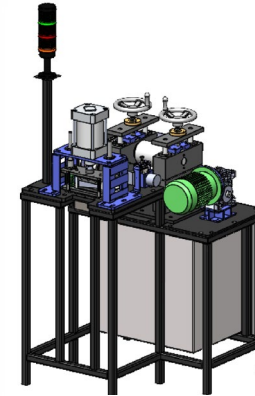
Automatic Food
Processing Machine



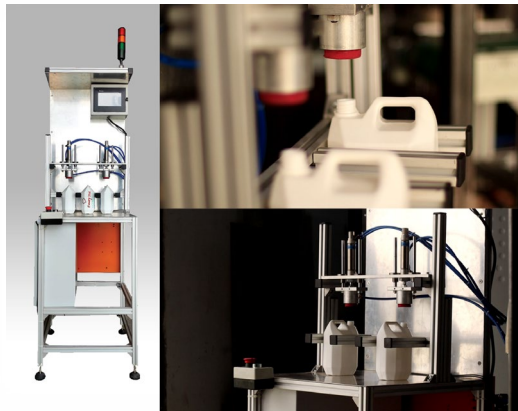
Smart dispensers



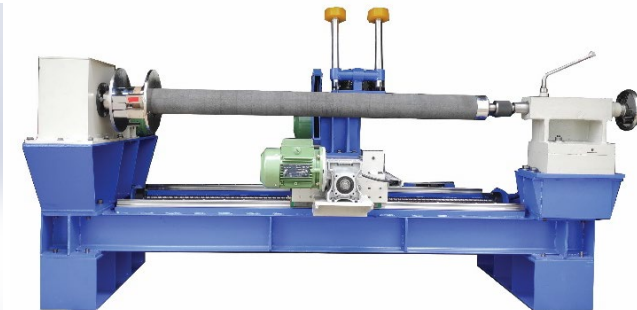
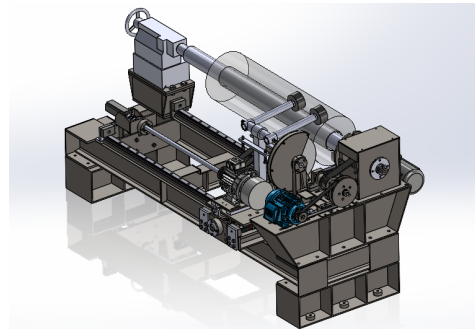
Automated guided vehicle



Strip cutting machine

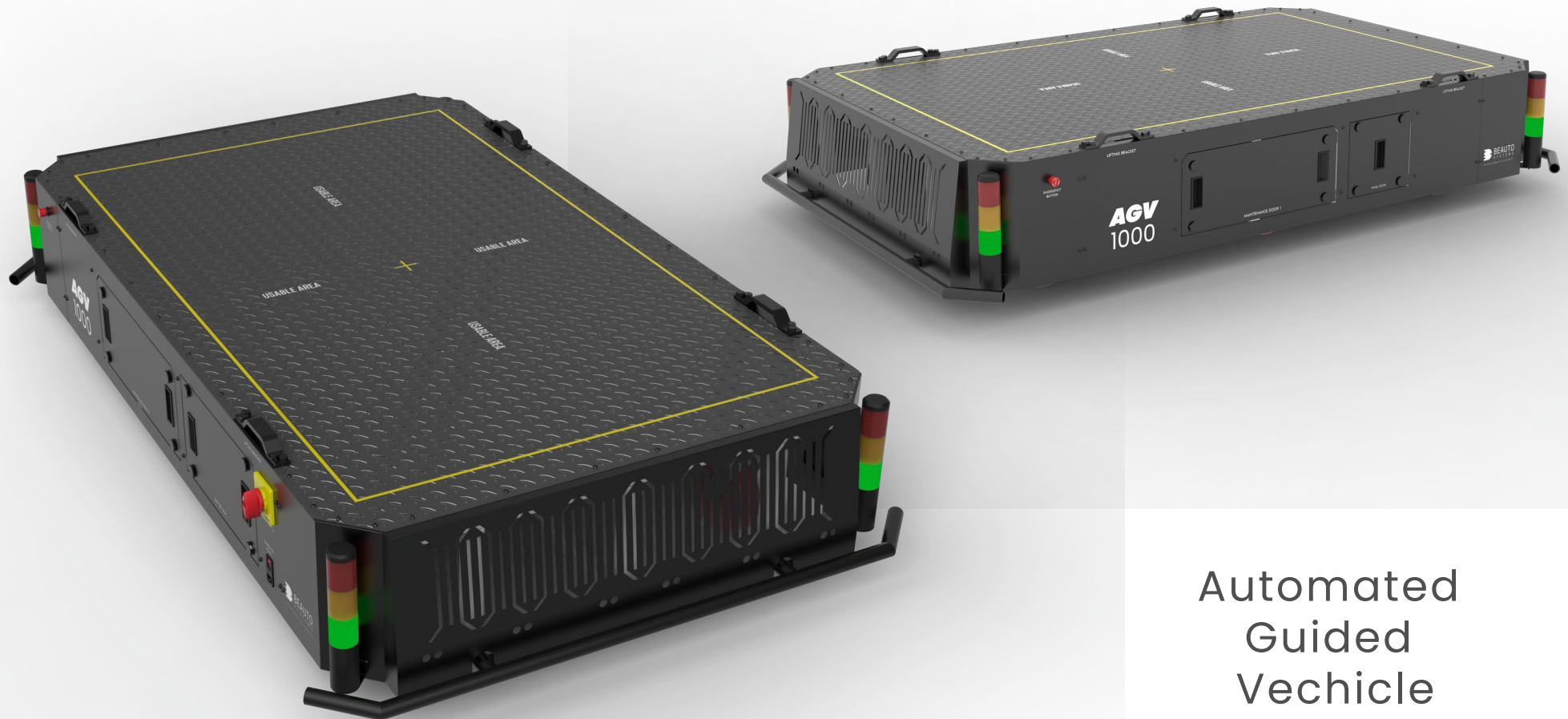


Leak testing machine



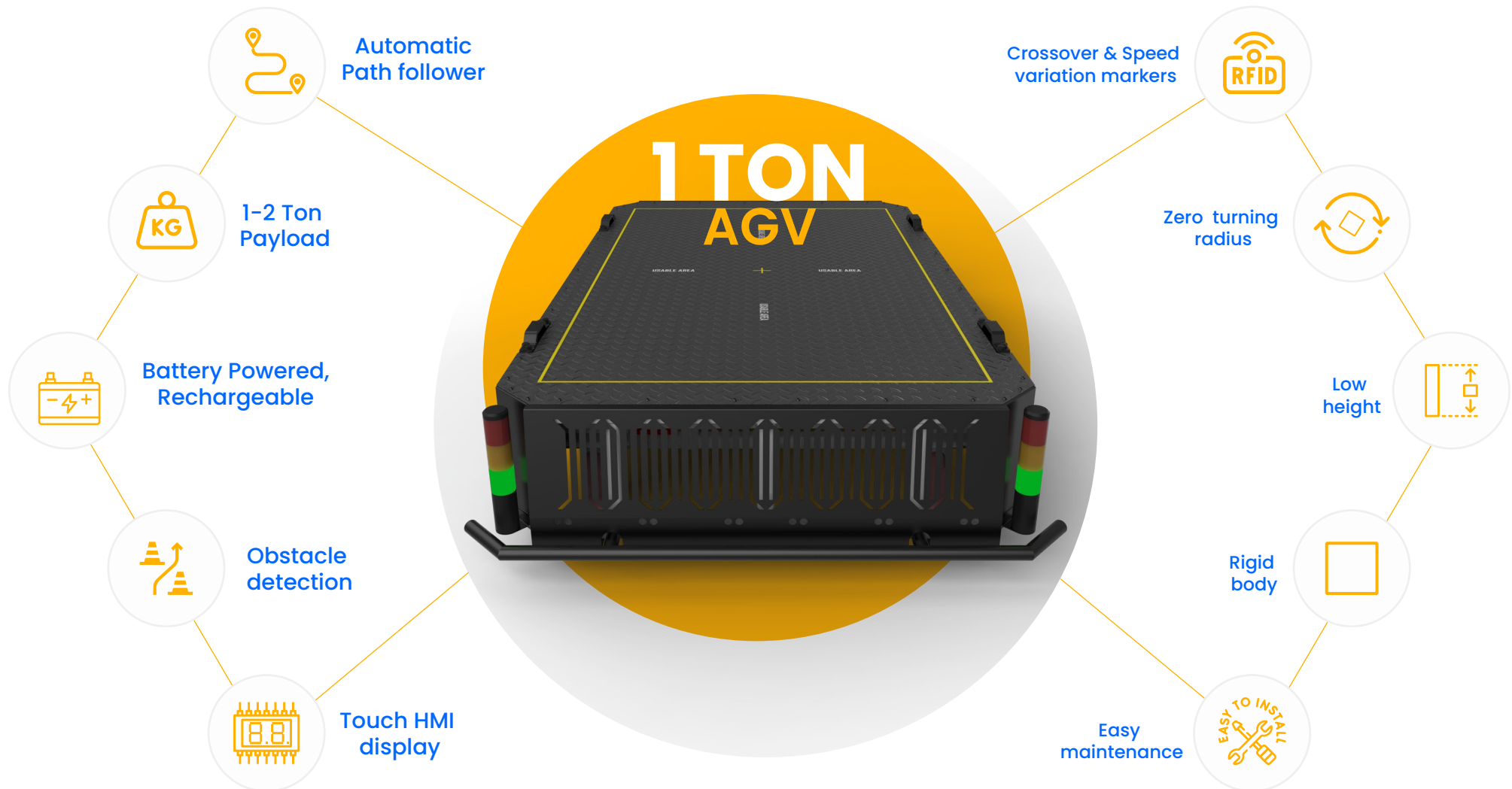
Graphite Roll Slitting Machine (GRISL)

1 TON AGV

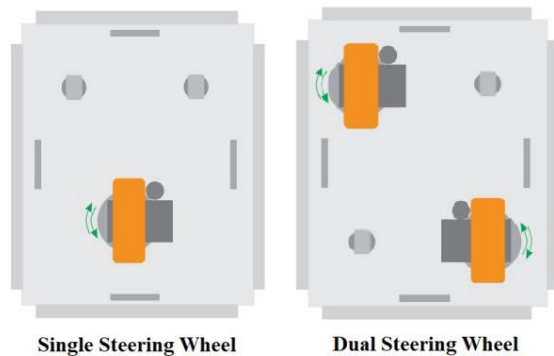
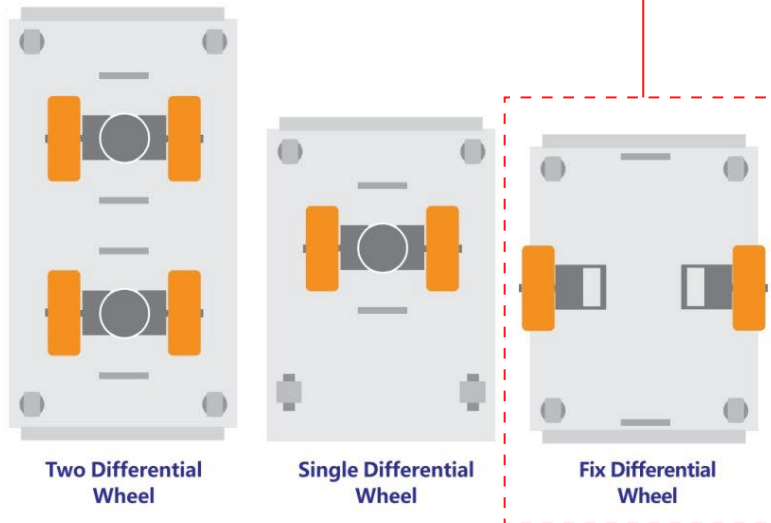


Automated
Guided
Vehicle

Key features



Steering options



Benefits of differential drive selection for 1 ton payload

- On-spot, zero turning radius
- Improved space utilization
- Tight curve negotiations
- Ideal for slow speed travel

Steering options

OPTICAL TAPE	MAGNETIC TAPE	QR CODE	LiDAR 2D-3D
<p>Pros</p> <ol style="list-style-type: none"> 1. Easy to install 2. Inexpensive 3. Databases 4. S/W architecture 5. Consulting 6. Outsourcing 7. Regular attention needed <p>Cons</p> <ol style="list-style-type: none"> 1. Required proper lighting 2. Prone to dirt 3. Maintenance intensive 	<p>Pros</p> <ol style="list-style-type: none"> 1. Easy to install 2. Easy to change 3. Immune to dirt 4. Immune to lighting conditions <p>Cons</p> <ol style="list-style-type: none"> 1. Slightly expensive than optical 	<p>Pros</p> <ol style="list-style-type: none"> 1. Easy to plan the paths & install 2. Inexpensive to maintain <p>Cons</p> <ol style="list-style-type: none"> 1. More processing power required, so more expensive than magnetic type 2. Required proper lighting conditions 	<p>Pros</p> <ol style="list-style-type: none"> 1. No floor preparation needed 2. No civil or structural modifications 3. Deploy & use <p>Cons</p> <ol style="list-style-type: none"> 1. Most expensive option 2. Maxi. processing power 3. Professionals required for maintenance

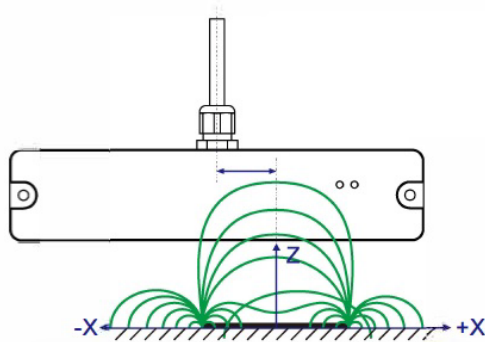
Magnetic tape navigation



Magnetic tape



Magnetic sensor



Sensing technology



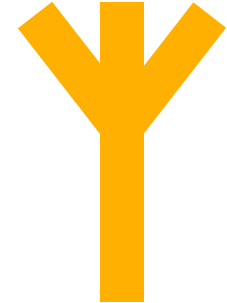
Straight



Right fork



Left fork

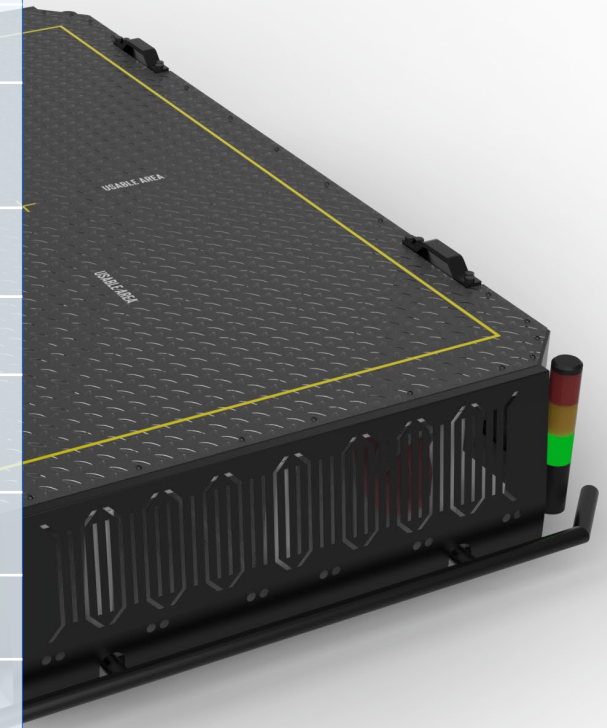


3-way fork

PARAMETER	DESCRIPTION
Taping	Adhesive type
Resolution	1 mm
Tape size	50 mm
Fork detection	Left, Centre, Right

Specifications

PARAMETER	AGV 1000	AGV 2000
Max. Payload	1000 Kg	2000 Kg
Speed	0.3 m/s	
Dimensions	2.45(L) x 1.30(W) x 0.37(H) m (Including bumper)	2.5(L) x 1.50(W) x 0.37(H) m (Including bumper)
Usable area	2.08(L) x 1.30(W) m	2.5(L) x 1.5(W) m
Turning	On the spot	
Battery	2x12V 100Ah Lead acid battery (Li-ion option available)	4x12V 100Ah Lead acid battery (Li-ion option available)
Acceleration	0.1 m/s square	
Mass of AGV	Approx. 400 Kg	Approx. 750 Kg
Safety features	Ultrasonic sensor, LED indicator, Speaker, front & rear bumpers	
Navigation	Magnetic line follower	





Any
Questions?

Contact with us



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