Habasit – Solutions in motion



Marble, Granite and Ceramics Industry



Media 2174 EN

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Competence and experience

Customers in the marble, granite and ceramics industry rely on Habasit's vast belting experience to deliver first-class solutions for their applications. Our wide range of belts and covers allows you to select the optimal combination for your sizing, cutting and polishing needs for all product thicknesses and weights.

The solid experience in the industry, together with innovative materials, high-performing technical solutions and continuous research, make Habasit belts the benchmark for the industry.

Belts, the key element for your processing lines

Habasit solutions deliver excellent product adhesion on the belt, higher grip and abrasion resistance. A high and even modulus of elasticity ensures excellent tracking. The belts run smoother and free of elasticity to ensure reliable, high-quality production on your lines. Habasit's research has led to the development of a high-quality joining system that guarantees strength, functionality and durability, while maintaining belt flexibility and homogeneous thickness. The belts can easily be installed on-site at the customer's plant.

The global marble training and competence center located in Verona offers state-of-the-art fabrication and service. Our team is continuously searching for better solutions to meet your most demanding application needs, and trains Habasit technicians to deliver top-quality standards all over the world.





Processing lines



Marble and granite big slab process	Marble and granite tiles process	Finishing process
1 Block cutting	5 Splitting	9 Edge polishing
2 Slab calibration	6 Chamfering	
3 Slab polishing	7 Calibration and polishing	
4 Transversal and longitudinal cutting	8 Transversal and longitudinal cutting	

These drawings show schematic examples of selected belt applications and processes only. Those are neither complete nor comprehensive. The actual set-up of a marble and stone processing lines varies by product and original equipment installed.



Belt range and technical data

Belt range



Application table

This application/belt matrix does not claim to be complete and serves only as an indication of potential solutions. For detailed material and belt selection, please contact your local Habasit partner or visit: www.habasit.com	A-3LT	A-4LT	NAO-18EEDV	NAO-40EHDV	NAO-40EIDV	NAS-40EHAV-S2	NAS-50EHAV-S2	NAX-50EHDV	NAY-50EHCV	NNH-35EVDV	PNB-12EVTO
Application											
Block cutting with gangsaw	•	•									
Calibration of big marble and granite slabs				٠	٠				٠		
Calibration and polishing of gres and terrazzo, marble and granite tiles				٠				٠	٠		
Polishing of marble slabs, engineered stone slabs				٠	٠				•		
Polishing of big granite slabs						٠	٠				
Edge polishing of marble, engineered stone and granite					٠				٠		
Splitting machine for marble and granite tiles				٠				٠			
Chamfering of marble, engineered stone and granite			٠		٠						
Flaming of marble and granite			٠								
Bush hammering of marble and granite			•								
Conveying of engineered stone powders and resins											•
Engineered stone slab forming										•	



Block cutting with gangsaw

	Key features	Your benefits
-	High performance leather top cover	Excellent friction on pulley and efficient power transmissionLonger belt service life
A-3LT	Wear resistance in all production environments	• Smoother and more stable power transmission
	• High performance PA element traction	• Higher resistance against weight overload

A-4LT

Calibration of big marble and granite slabs

	Key features	Your benefits
	• High and even modulus of elasticity	Higher resistance against elongation
NAO-40EHDV	 High and homogeneous lateral stiffness 	• Smoother and more stable belt running
	 Low coefficient of friction (running side with impregnated fabric) 	No vibration
NAO-40EIDV	• Different cover hardnesses and profile designs in the conveying side structure (orbital and Y)	 Perfect product positioning during the entire production process Higher product adhesion on the belt surface
	• High abrasion and scratch resistance	Fewer cuts on the belt coverLonger belt service life

NAY-50EHCV

Calibration and polishing of gres and terrazzo, marble and granite tiles

	Key features	Your benefits
	High and even modulus of elasticity	Used on polishing machines with calibrators and long interaxisHigher resistance against elongation
NAO-40EHDV	 High and homogeneous lateral stiffness 	Smoother and more stable belt running
NAX-50EHDV	 Low coefficient of friction (running side with impregnated fabric) 	No vibration
	• Different cover hardnesses and profile designs in the conveying side structure (orbital, snake skin and Y)	Better water outflow
	• High abrasion and scratch resistance	Fewer cuts on the belt coverLonger belt service life

NAY-50EHCV

Polishing of marble slabs, engineered stone slabs

NAO-40EHDV	Key features	Your benefits
	• High and even modulus of elasticity	• Higher resistance against elongation
	 High and homogeneous lateral stiffness 	Smoother and more stable belt running
	 Low coefficient of friction (running side with impregnated fabric) 	No vibration
NAO-40EIDV	 Different cover hardnesses and profile designs in the conveying side structure (orbital and Y) 	 Higher product adhesion on the belt surface Perfect product positioning during the entire production process Better water outflow
	 High strength carcasses with 3 and 4 plies 	• Greater quality result in the production process even if running in high speed

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NAY-50EHCV
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Polishing of big granite slabs

1 TOPA	Key features	Your benefits
NAS-40EHAV-S2	 Specific double-row saw-toothed embossing surface design 	 Perfect product adhesion on the belt surface, also for products with uneven surfaces More homogeneous processing and slab stability (no rotation)
	 High and homogeneous lateral stiffness 	• Smoother and more stable belt running
	Surface hardness 50 Shore A	 Perfect product positioning during the entire production process
	• High strength carcasses with 3 and 4 plies	 More homogeneous processing, used on polishing machines with calibrator and long interaxis Longer belt service life

Edge polishing of marble, engineered stone and granite

NAO-40EIDV	Key features	Your benefits
	 High and homogeneous lateral stiffness 	Smoother and more stable belt runningNo vibrationNo mistracking
	High adhesive top cover	 Higher product adhesion on the belt surface Perfect product positioning during the entire production process
NAY-50EHCV	 Different cover hardnesses and profile designs in the conveying side structure (orbital and Y) 	Better water outflow

Splitting machine for marble and granite tiles

	Key features	Your benefits
	Thick belt covers	Longer belt service life
	• High scratch and abrasion resistance	Fewer cuts on the belt cover
NAO-40EHDV		

NAX-50EHDV

Chamfering of marble, engineered stone and granite

928988888	Key features	Your benefits
	• High and even modulus of elasticity	Higher resistance against elongationSmoothr and more stable belt runningNo vibration
NAO-18EEDV	• High adhesive top cover	 Higher product adhesion on the belt surface Perfect product positioning during the entire production process

NAO-40EIDV

Flaming and bush hammering of marble and granite

Key features	Your benefits
• High and even modulus of elasticity	• Higher resistance against elongation
• High abrasion and scratch resistance	Longer belt service life

NAO-18EEDV

Conveying of engineered stone powders and resins

	Key features	Your benefits
	High-quality belt cover	• Higher grip and abrasion resistance
	• Excellent mechanical resistance	Longer belt service life
PNB-12EVTO	Superior chemical resistance	• Safe to clean using aggressive detergents
	High release surface	• Excellent use with sticky products
	Flexproof joining	• Easier installation and replacement

Flexproof joining

Engineered stone slab forming

	Key features	Your benefits
	• High and even modulus of elasticity	• Higher resistance against elongation
	Hard cover with deep impression	Excellent release properties
NNH-35EVDV	• Low coefficient of friction on the running side	No belt sticking effect on the pressReduced friction during the process

Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.





Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.

Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.

Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.

Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.

Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.

Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.





Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW[®] Fabric-based conveyor and processing belts



HabasitLINK[®] Plastic modular belts



Habasit[®] Cleandrive Monolithic reinforced conveyor belts



Machine tapes



HabaDRIVE® Power transmission belts



HabaSYNC® Timing belts



Seamless belts



HabiPLAST Profiles, Guides, Wear strips



Accessories (sprockets, flights, welding profiles, etc.)



Fabrication tools (joining, cutting & preparing devices)

Round belts

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