



Mixers



The Agglomeration Specialists

www.pickoglobal.com



Tailored to Your Mixing Tasks

Picko mixers are specifically designed for the robust and abrasive nature of the mining and metals industry. Our high-energy mixers are used for the agglomeration of ores and byproducts from mines and smelters. They can mix high-density material with small amounts of binders and additives in short periods of time.

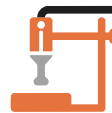
The Picko Difference: Our Mixing Principle

At the heart of every Picko mixer lies our unique High-Energy Mixing Principle. We combine a high-speed agitator with a rotating mixing pan. This dynamic pairing generates intensive, three-dimensional material movement, ensuring every particle is thoroughly agitated. This process guarantees 100% material homogenization, even with small amounts of binders, in the shortest possible time.



Fast Mixing Times:

Achieve superior results with optimized mixing times.



Complete Homogenization:

Our process prevents demixing and ensures uniform distribution of all ingredients.

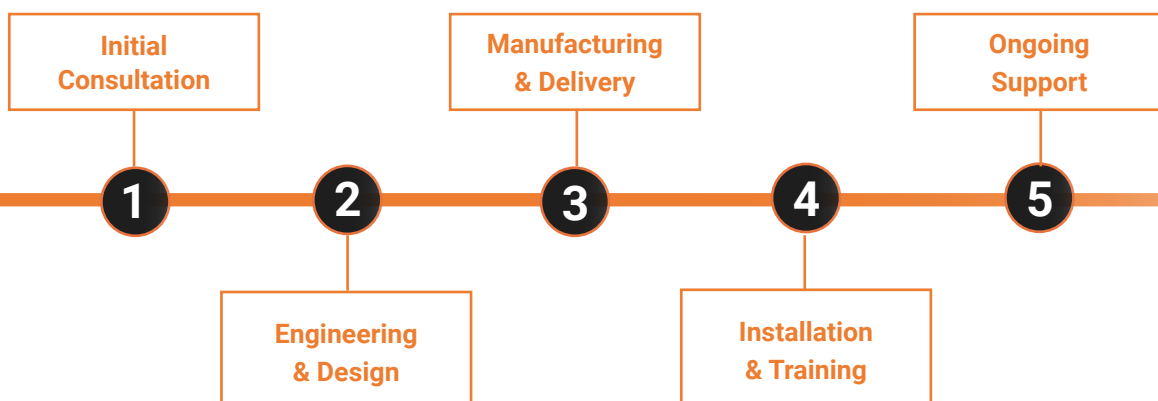


High Mixing Efficiency:

The unique design leads to lower energy consumption and reduced component wear.

From Consultation to Commissioning. Our Full-Service Offering

Picko is your partner for the entire project lifecycle. We don't just sell mixers; we provide a complete solution tailored to your specific requirements. Our process includes:



Tailored to Your Needs: A Modular and Flexible Design

Picko mixers are designed with a wide range of customizable options to meet the unique demands of your application.



Automation & Controls: Our systems can be configured with automated processes, including liquid and dry material dosing systems, and a range of instrumentation and control options.



Sensor Technology: We offer a suite of monitoring instruments, including moisture sampling, to optimize your process and product.



Drives: Select from a variety of drive types and performance options, from standard motors to high-torque motors, for maximum efficiency.



Wet & Dry Cleaning: Our mixers can be equipped with cleaning systems for simple and efficient cleaning, whether through high-pressure nozzles or blow-out units.



Wear Protection: To combat the abrasive nature of materials, we offer various wear-resistant options for components:

- High-quality steels and special plastics.
- Armor plating for mixing blades and pan.
- Lining with ceramic tiles.



Proven Performance: Backed by Data and Expertise

Picko's management has over 30 years of experience with mixers, and we have utilized high-energy mixers in our own operations for more than 10 years. We know which components have the highest risk of extended breakdowns and design our mixers to be robust and reliable.

- We have successfully mixed 0.4% binders into a 1.5-ton batch in less than 120 seconds.
- Our DS 1500 model can handle up to 2000 kg and achieve a throughput of 20 tons per hour.

Standard models			
Model	Capacity		Throughput*
HS 500	0.5 cu	Up to 750kg	4 tph
HS 1000	1 cu	Up to 1250kg	10 tph
HS 1500	1.5 cu	Up to 2000kg	20 tph
HS 2000	2 cu	Up to 3000kg	28 tph
Typical design			
Model	HS 1500		
Technology	kW		
Mixer pan	30		
Mixing arms	30		
Agitator	45		

* Calculation based on material with an SG of 2.

Our Global Presence

Picko's products and services are available internationally,
with offices in South Africa and Australia.



South Africa

Pretoria

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Services available include general inquiries, consultation, equipment supply, operations, laboratory services, and pilot plants.

Australia

Adelaide

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Services include general inquiries, consultation, and equipment supply, with laboratory and pilot plant services.

We are committed to building long-term, trust-based relationships with our clients through **transparency and integrity, continuous quality improvement**, and a dedication to **innovation and effectiveness**.