# Activated Carbon for Gold Recovery







**COCONUT SHELL IS** plentiful, renewable and sustainable and is the hardest carbonaceous substance available. Jacobi Carbons refined the manufacturing process to make the best use of this highly valuable resource with a negative carbon footprint.

The critical assessment of an activated carbon is how well it maintains its properties after months of use in an ADR plant. Selecting the correct coconut feedstock is key to the manufacture of high quality activated carbon for use in gold circuits. The shells should have a thicker profile and durability that better withstands the carbonization and activation processes. We source only the highest quality, and most durable coconut shells so that our factories can provide a consistent supply of the final product.

Quality Company

Resistance to attrition in the adsorption circuit has a direct influence on gold recovery rates. GoldSorb® and PicaGold® feature highly uniform granules that are specifically designed for recovery of precious metals. Our activated carbon products are used extensively in Carbon in Pulp (CIP) and Carbon in Leach (CIL) circuits.

Jacobi Carbons' research and technical staff continue to find more opportunities for mine operators and metallurgists. The adoption of GoldSorb® and PicaGold® is sure to yield benefits for our customers for many years to come. PicaGold® G210Ultima is our most recent development. Its highly refined characteristics will further improve gold recovery yields, enhance elution rates and lower reactivation losses.







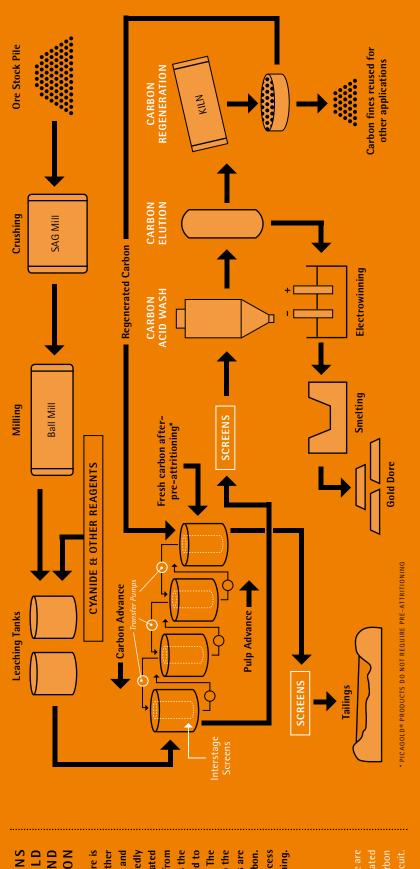
le are committed to safeguarding
ur planet's future and protection
f the environment. Jacobi Carbon
as invested heavily in the use of
enewable raw materials, like coco
nell, to provide sustainable produc
nat can be used in a wide range o
oplications around the world.

Properties	GoldSorb® 4500	<sub>(®</sub> 5500	6000	PicaGold® G208AS	G210AS G210Ultima	G210
Initial fill of recovery circuit	ς.			۲	<	
Ore has high 'preg-robbing' potential			<		ς.	
Ore has low 'preg-robbing' potential		۲				
Extremely high gold adsorption capacity is required		۲				
Ore has extreme hardness and high attrition potential	ς.			ς.		
Ore contains high loading of copper, lead, silver and zinc					<	-
An AAC Pump Cell Circuit is in use				ς.	<	•
Interstage screen type (esp. wedge wire) requires low platelet count				ζ.	<	
Gold concentration in the head grade (slurry is very high (>5g Au/T ore)			ς.		<	

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JACOBI CARBONS HAS the most diverse production base in the industry with facilities in over 10 countries around the world. GoldSorb® and PicaGold® products are manufactured in our facilities located in France, Sri Lanka, India, Vietnam and the Philippines. Products are kept in stock in all mining regions at our own warehouses or partner distribution networks. Security of supply for our customers is unrivalled.

We continue to identify more

our activated carbon products

will yield benefits for many

years to come.

opportunities for mine operators and metallurgists showing how

It is important for us to be more than a supplier of high quality products; we also strive to be the best support partner for our customers. Our in-house research and technical experts have great knowledge of all applicable procedures and provide assistance on Carbon Management, Circuit Performance and Process Control. Detailed reports and recommendations are often followed by on-site visits to assist mine operators and metallurgists. Training and regular technical seminars are held to provide helpful advice regarding good practice in carbon inventory management.

Our Carbon Management Program (CMP) helps customers to understand the behaviour of the adsorbent in the recovery circuit. Activated carbon behaviour is monitored by analyzing the events in key parts of the plant and how they affect circuit performance and ultimately gold recovery levels. Particular focus is placed on operations in leaching tanks, interstage screening, acid washing, elution procedures and the reactivation stages of the process. This gives us a clear view of what is happening in our customer's processing plants and allows us to anticipate and solve issues that may arise – now and in the future.

A team of application experts provide assistance on all aspects of Carbon Management, Circuit The Competence Company primary manufacturing facilities guarantee secure delivery of high quality activated carbon products on a



Jacobi Carbons has developed the most diverse production base in the industry with manufacturing plants, reactivation plants and sales offices located in 19 countries around the world.

# The Global Company



# MANUFACTURING PLANTS

The Philippines

China United Kingdom
France United States
Germany Vietnam
India
Italy
Sri Lanka

## SALES OFFICES

Australia Poland
China Singapore
Finland Spain
France Sweden
Germany Switzerland
Italy United Kingdom
Japan United States
Malaysia

### GOLD PRODUCT DISTRIBUTORS

Algeria Mexico Argentina Myanmar New Zealand Australia Brazil Papua New Guinea Canada Peru Colombia Saudi Arabia Russia South Africa Ghana Chile Turkey United States Ecuador Indonesia Kazakhstan Uzbekistan



