

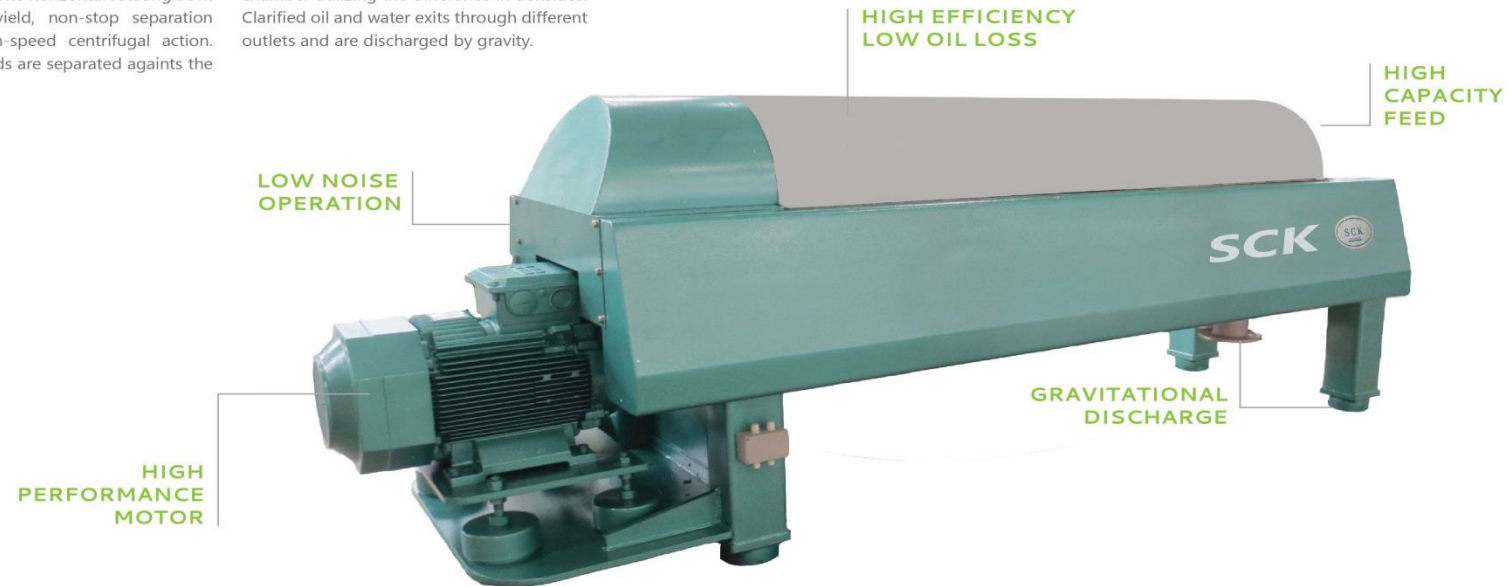


SCK Decanter

SCK 60T-3P HIGH PERFORMANCE TRI-DIV DECANTER

The SCK 60T-3P is a high performance decanter optimized for 3-part separation of oil, water and solids in palm oil processing. The horizontal rotating bowl gives high yield, non-stop separation through high-speed centrifugal action. After the solids are separated against the

bowl wall, they are conveyed to the solids discharge outlets by the scroll. Separation of oil and water is performed in the liquids chamber utilizing the difference in densities. Clarified oil and water exits through different outlets and are discharged by gravity.



HIGHER YIELD

- The longer holding time of oil gives better clarification
- High performance throughput of 60 tons FFB an hour

LOWER RUNNING COST

- Low installation cost
- Hard wearing, durable stainless steel moving parts
- Energy saving by fully utilizing centrifugal flow
- Minimal downtime
- Electronic overload prevention system

KEY FEATURES

- Direct drive via V belts without clutch
- Low differential speed
- High pitch conveyor
- Simple design
- High G-force and volume

WHAT IT MEANS FOR YOU

- Minimal wear
- Low maintenance cost
- Eco-friendly
- Ease of operation/ user friendly
- High Capacity
- Low maintenance downtime



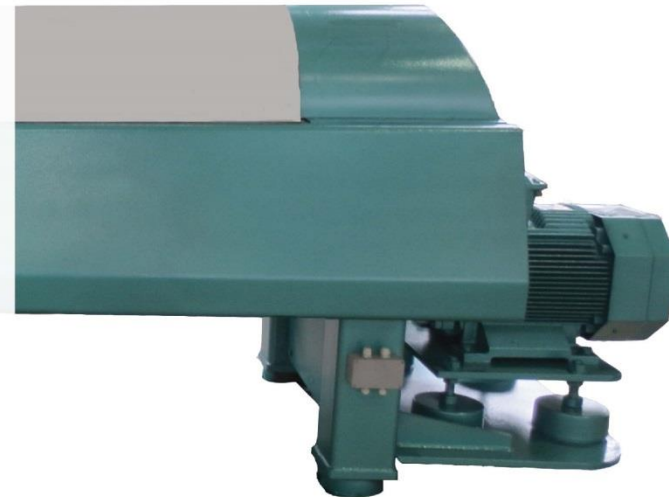
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TECHNICAL DATA

MOTOR	Electric motor	45kW
CAPACITY	Capacity	Up to 60 tons/ hour FFB
	Recommended Feed (Underflow Sludge)	Up to 27 cubic meters/ hours
DIMENSIONS	Decanter dimension (LxWxH)	357cm x 112cm x 140cm
	Decanter weight (without motor)	3220kg
	Motor weight	approx. 280kg
	Chamber shipping dimension (LxWxH)	310cm x 73cm x 100cm
	Chamber shipping weight	1200kg gross / 1100kg net
	Frame shipping dimension (LxWxH)	409cm x 130cm x 163cm
	Frame shipping weight	2500kg gross / 2400kg net

HIGH PERFORMANCE TRI-DIV DECANTER

SCK 60T-3P



Please contact:



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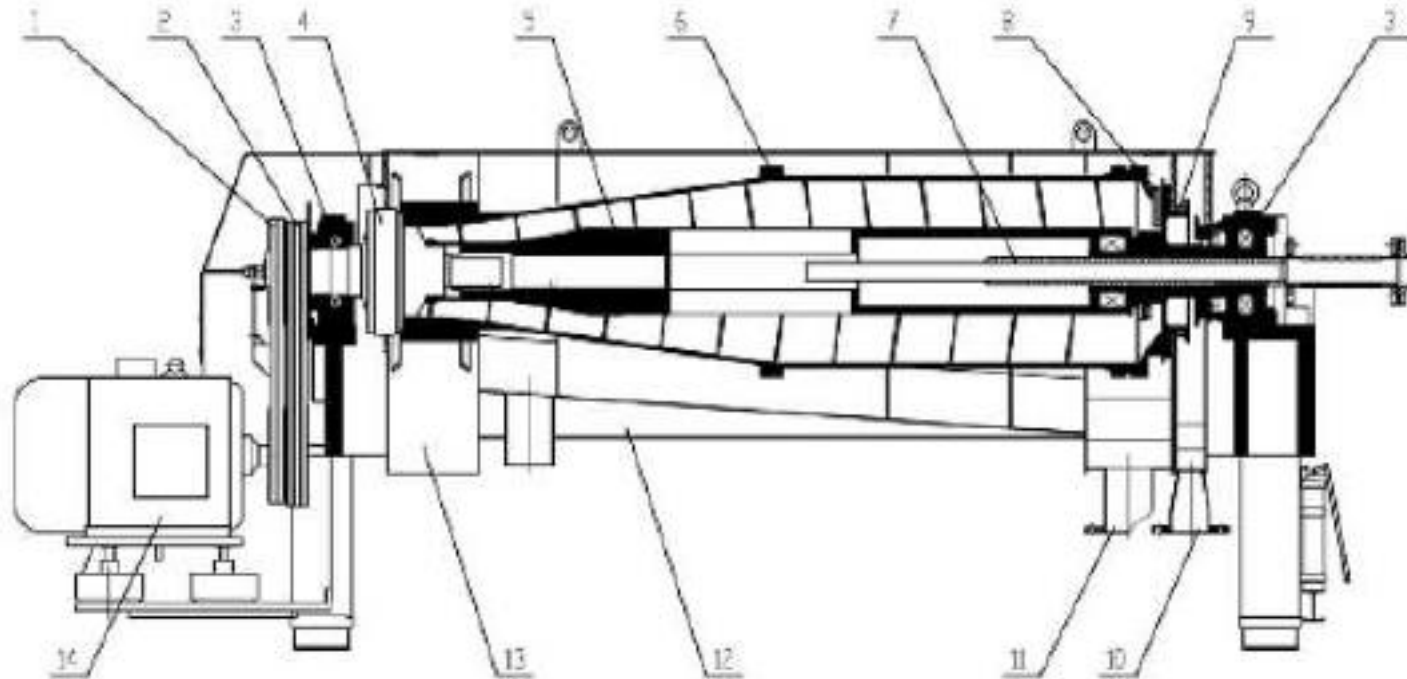
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**SCK Decanter
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Cross Section



- 1. Scroll drive
- 2. Bowl drive
- 3. Bearings
- 4. Gearbox
- 5. Scroll
- 6. Bowl
- 7. Feed pipe

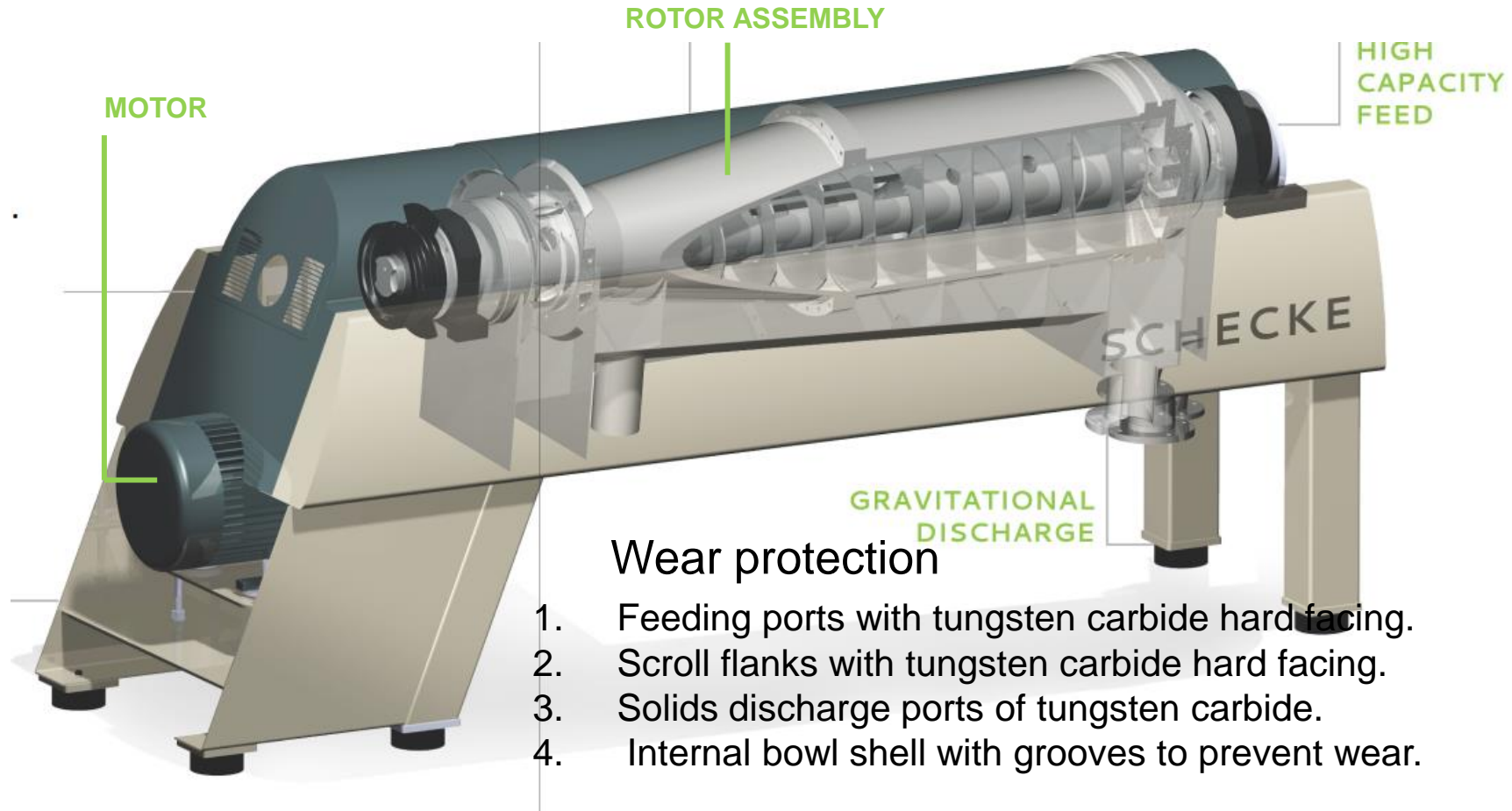
- 8. Light phase tubes
- 9. Heavy phase regulating ring
- 10. Heavy phase discharge
- 11. Light phase discharge
- 12. Lower case housing
- 13. Solids discharge chute
- 14. Motor



Technical Data

Bowl diameter	500 mm.
Length / diameter ratio	1:4
Operating speed	3,000 rpm.
Differential speed	7 rpm.
G Force	2,515 G.
Motor power	45 kW. (3P / 380-400V / 50Hz.)
Liquid outlets	Gravity discharge.
Gearbox type	Cyclo (3.1 kNm)
Scroll inlet distributor (wear plates)	Flame brazed on tungsten carbide hard facing.
Scroll flights	Flame brazed on tungsten carbide hard facing.
Solids discharge ports	Tungsten carbide bushes.

Wear Protection



Wear protection

1. Feeding ports with tungsten carbide hard facing.
2. Scroll flanks with tungsten carbide hard facing.
3. Solids discharge ports of tungsten carbide.
4. Internal bowl shell with grooves to prevent wear.