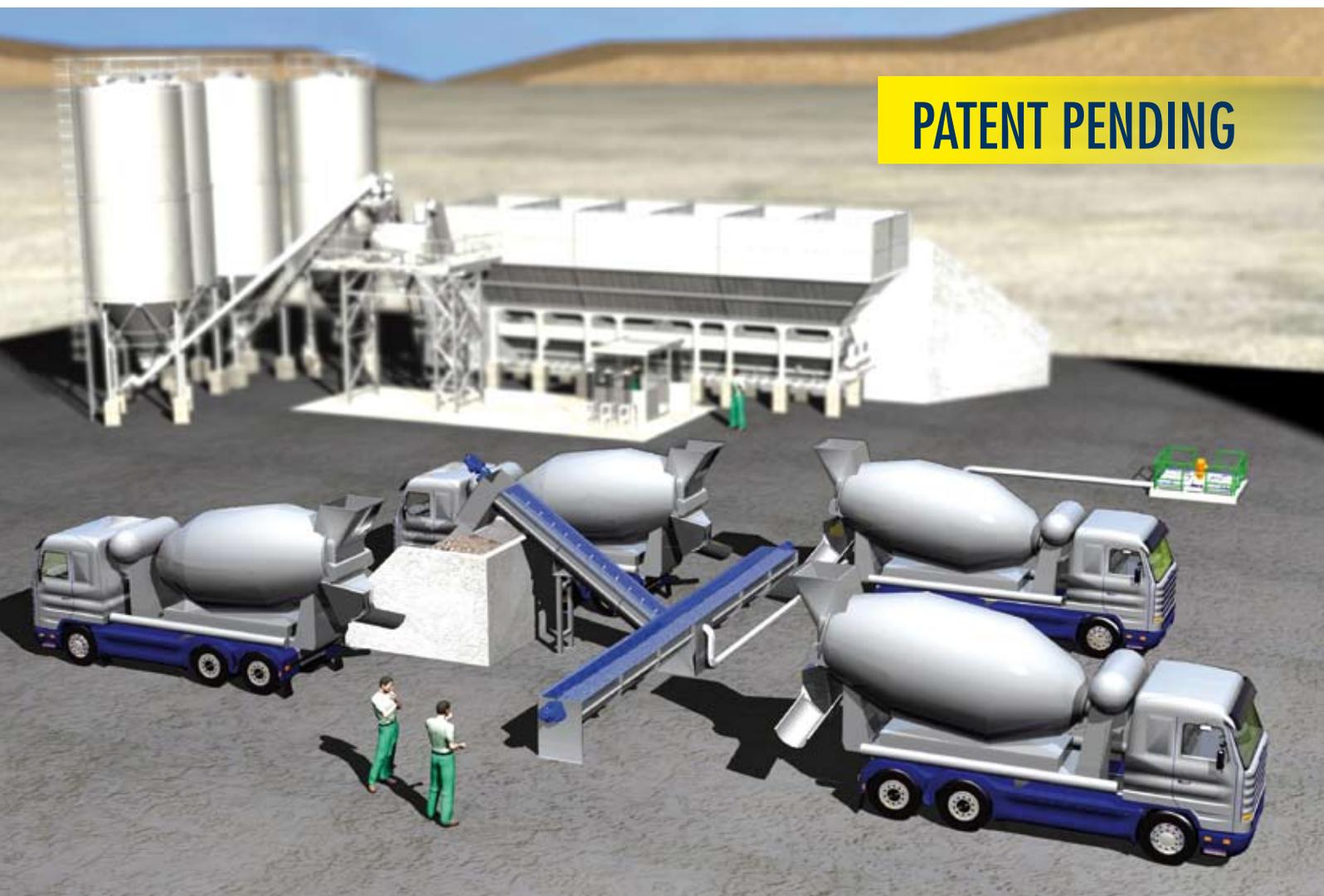


SOLIDS-LIQUID SEPARATION

CONSEP®

Concrete Reclaimers

PATENT PENDING



INNOVATIVE, COST-SAVING RECLAIMING DURING WASHING OF TRUCK MIXERS, CONCRETE PUMPS OR COMPULSORY MIXERS

The CONSEP® 5000 is used for the recovery of residual concrete and wash water from truck mixers/concrete pumps returning to the plant.

The CONSEP® 5000 is the answer to the latest environmental standards concrete manufacturers need to comply with today, in particular regarding:

- Environmental impact
- Pollution prevention
- Recirculation of waste water
- Recycling of separated aggregates
- Maximum recycling capacity (of normal diluted concrete) up to 20m³/h
- Separation of solid fines up to 0.15mm



Designed for application in concrete plants, CONSEP® 5000 excels through its efficiency, reliability and innovative features.

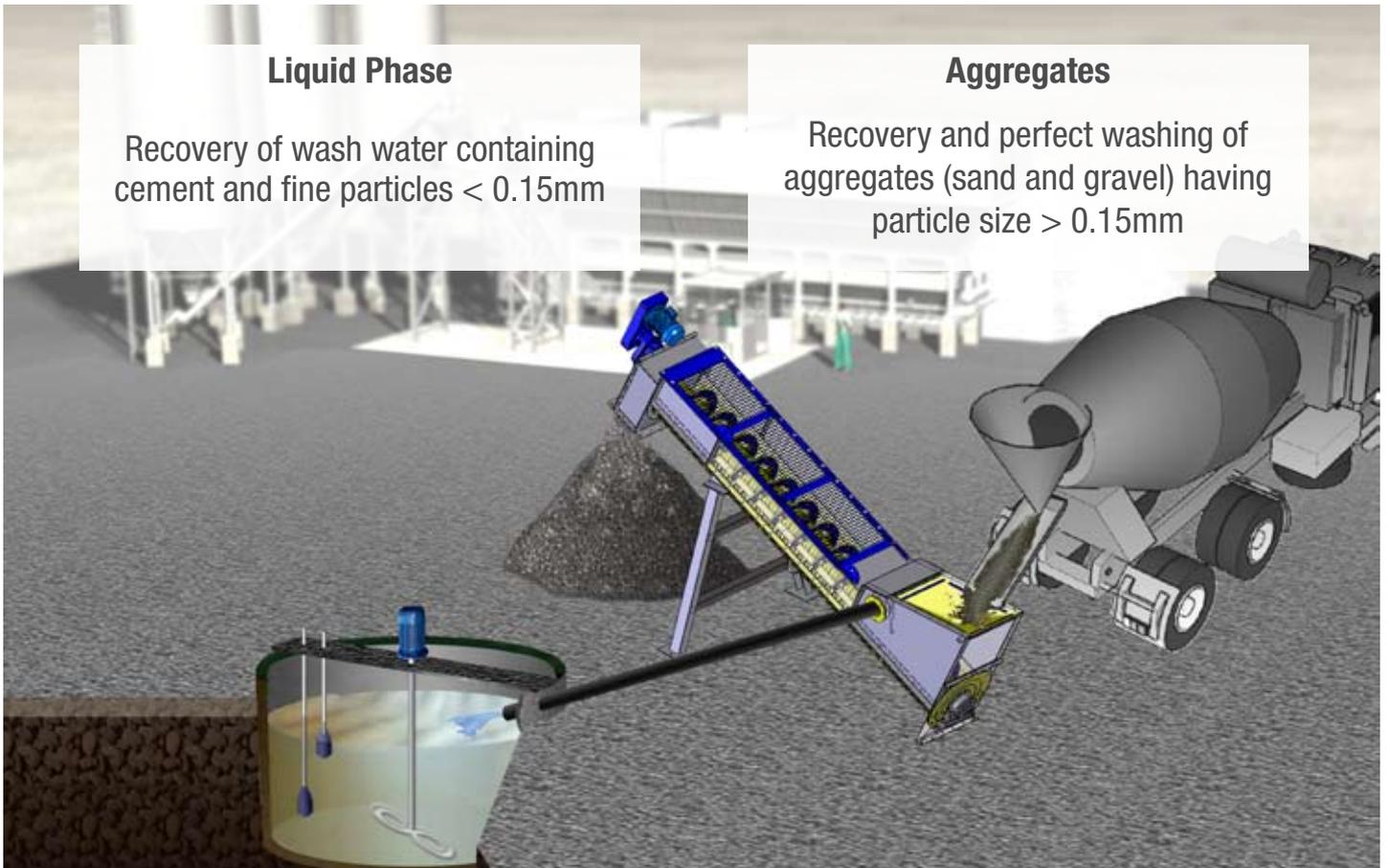
Re-use in production cycle

Liquid Phase

Recovery of wash water containing cement and fine particles < 0.15mm

Aggregates

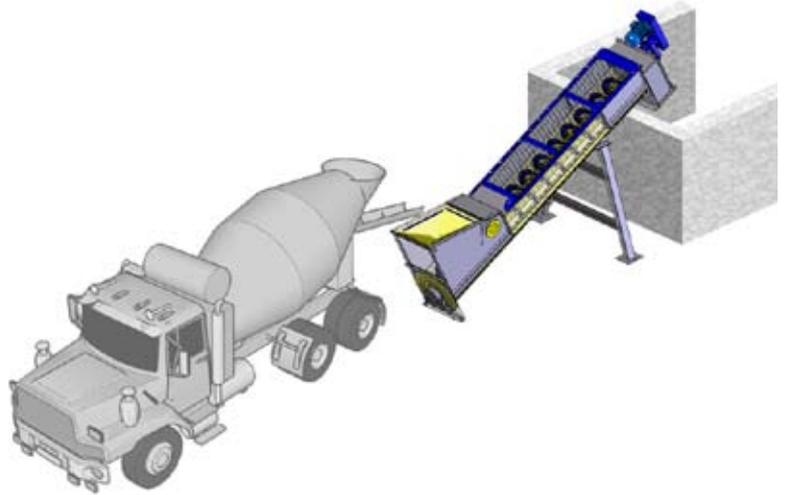
Recovery and perfect washing of aggregates (sand and gravel) having particle size > 0.15mm



3 solutions for maximum reclaiming efficiency

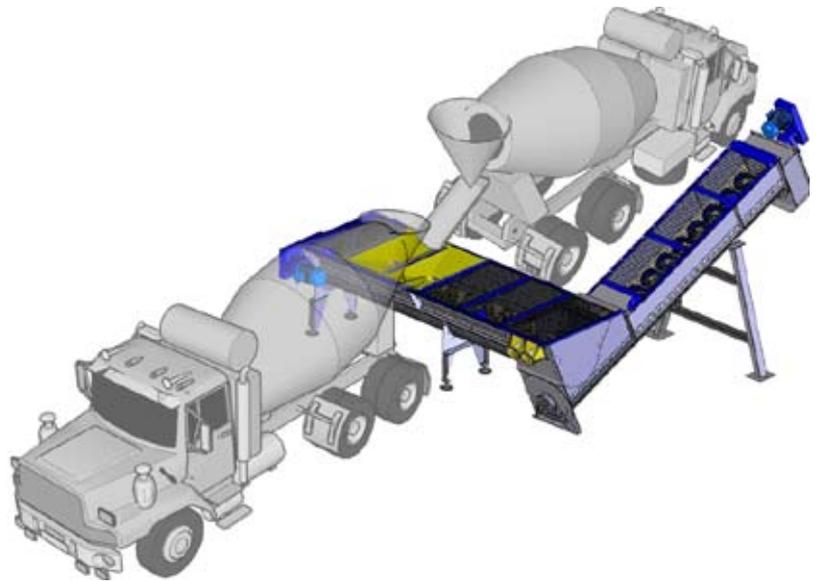
CONSEP[®] 5000 S

Discharging of **1** vehicle
Capacity: **5** vehicles per hour with
1m³ returning concrete each



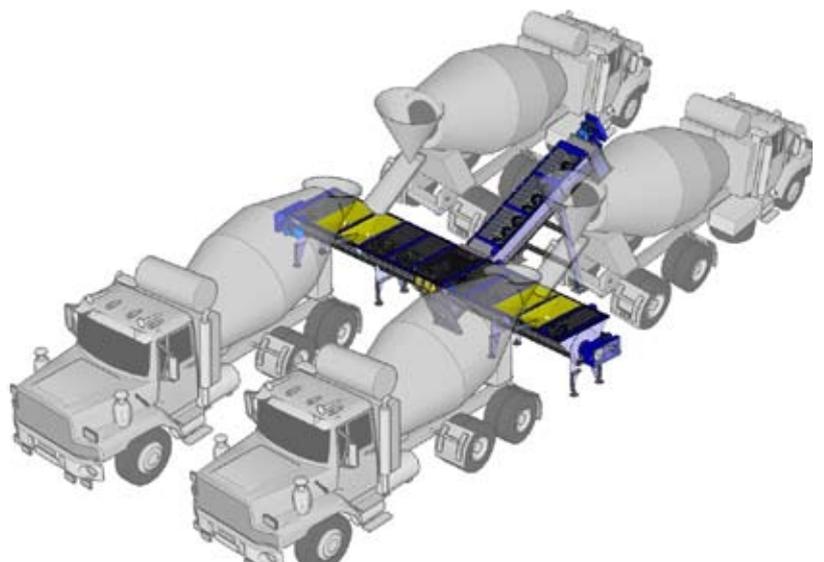
CONSEP[®] 5000 L

Discharging of **2** vehicles
Capacity: **10** vehicles per hour with
1m³ returning concrete each



CONSEP[®] 5000 T

Discharging of **4** vehicles
Capacity: **20** vehicles per hour with
1m³ returning concrete each





Screw with non-stick wear-resistant coating



Trough with non-stick wear-resistant liner

Benefits

- **PATENTED** innovative modular SINT® engineering polymer components
- **Energy savings** thanks to reduced running time
- **Low consumption** of wash water
- **Low maintenance**, easy and quick
- Non-stick SINT® engineering polymer components resistant to abrasion
- **Total feed control** on discharging vehicles



Bottom bearing assembly



Galvanised fabricated parts



Feed control batcher



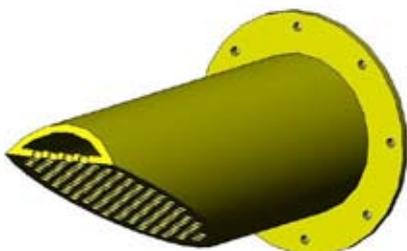
Visual inspection and easy access



Benefits

- **Perfect** aggregate washing
- High efficiency in **solids-liquid separation** thanks to large water volume in the version with screw feeder
- Different **configurations satisfy various needs: CONSEP® 5000** with or without screw feeder
- **High resistance** to corrosion of all fabricated parts

ACCESSORY



Aggregate filter

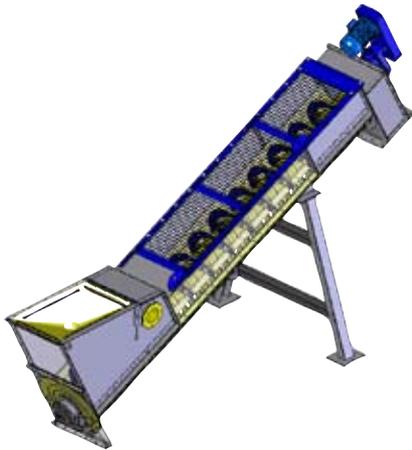
STANDARD EQUIPMENT



Control panel

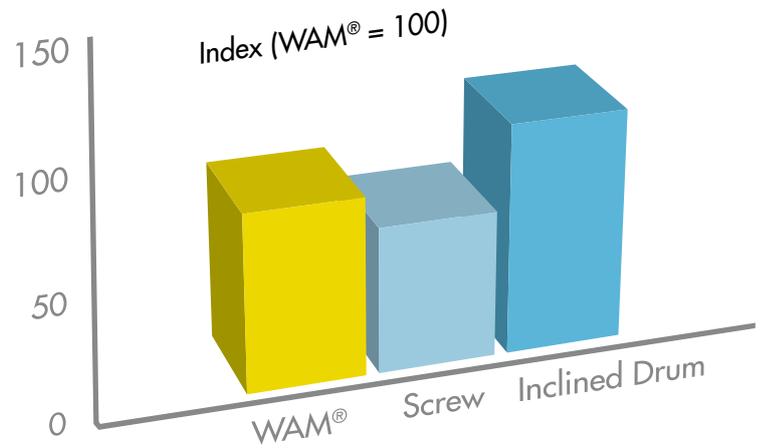
Analysis of Economic Convenience

CONSEP® 5000 - Model S



- Discharge and washing of **8** vehicles per day

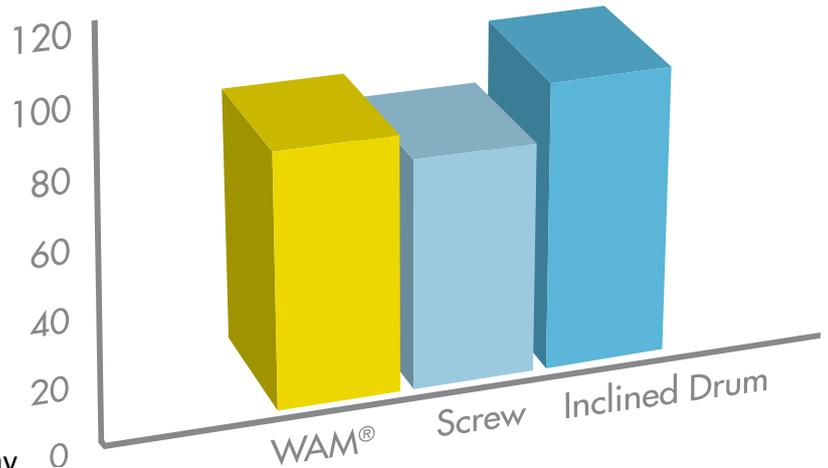
PLANT PURCHASE COSTS



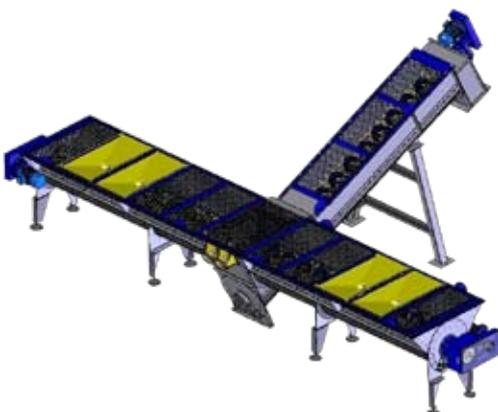
CONSEP® 5000 - Model L



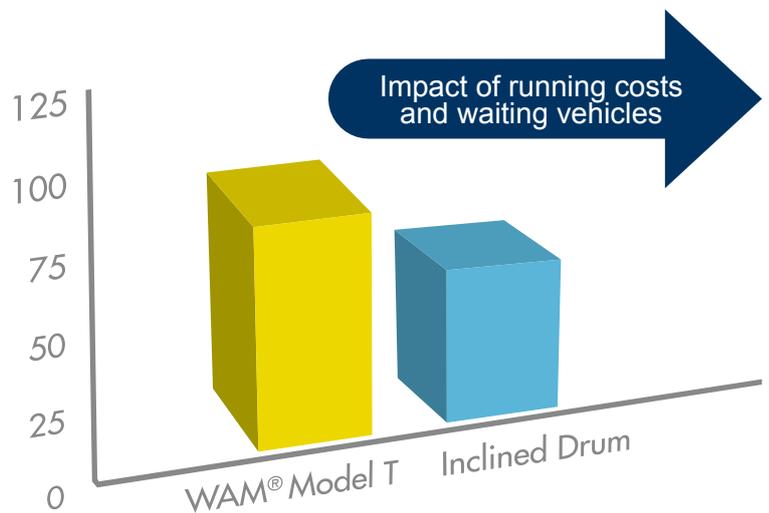
- Discharge and washing of **16** vehicles per day



CONSEP® 5000 - Model T



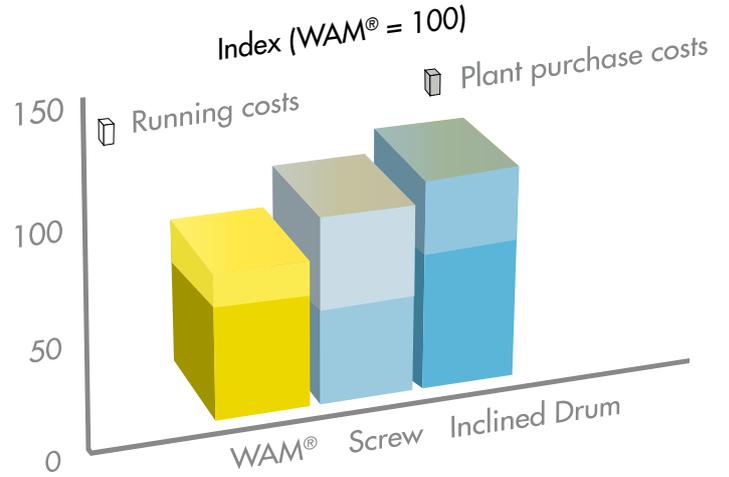
- Discharge and washing of **24** vehicles per day



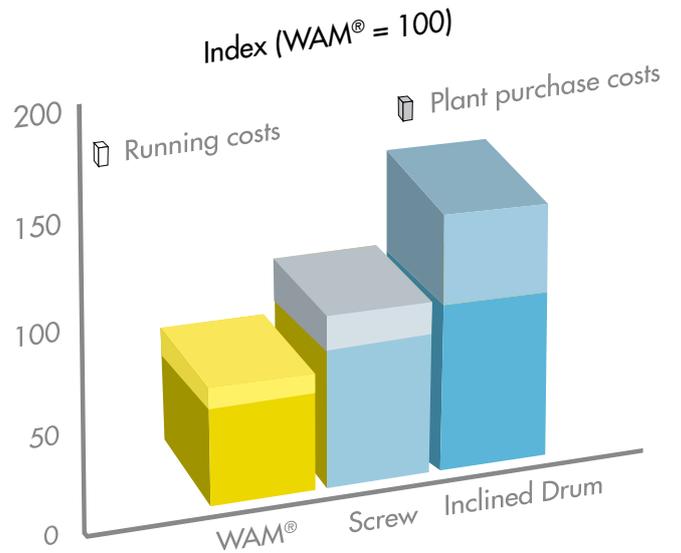
PLANT RUNNING COSTS

Running Costs	WAM®	Screw	Inclined Drum
Energy for running empty	100%	300%	100%
Wash water	100%	137%	167%
Spares per year	100%	500%	0%
Maintenance labour	100%	300%	200%

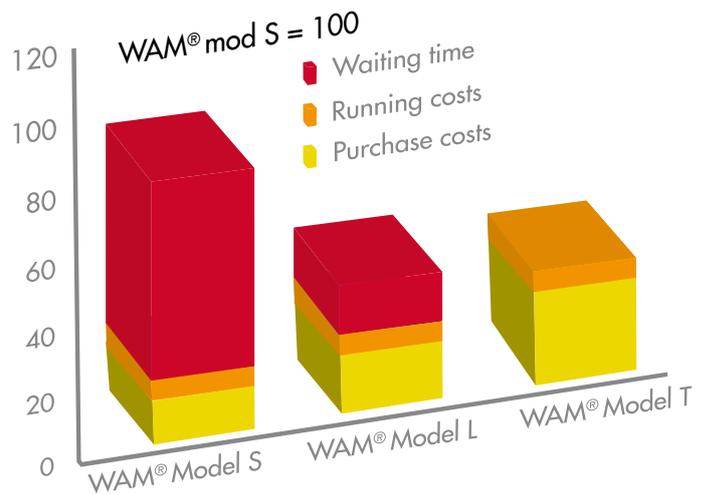
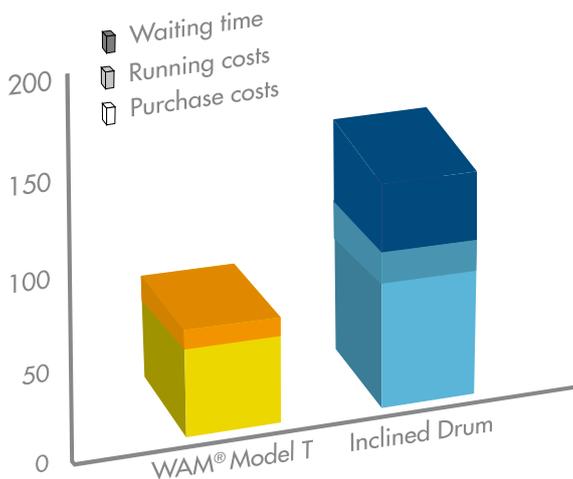
CUMULATIVE COSTS IN 5 YEARS



Running Costs	WAM®	Screw	Inclined Drum
Energy for running empty	100%	100%	100%
Wash water	100%	118%	167%
Vehicle downtime	NO	NO	YES
Spares per year	100%	250%	100%
Maintenance labour	100%	400%	400%



COMPARISON BETWEEN WAM® MODELS



Application



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