



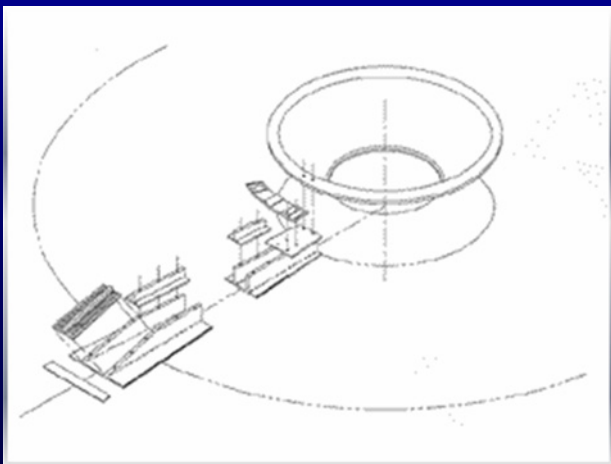
ABS International engineering and design team is continually developing new and creative cost saving solutions to "wear" problems. Using our sophisticated CAD design capabilities, mill parts previously made out of steel can now be custom engineered to take advantage of the benefits offered by rubber and urethane.



These engineered parts are designed to be structurally sound and 100% repairable after a predetermined period of operating time. Engineered mill part applications are limited only by recognition of the need. The ability to repair and reuse these parts at a fraction of new replacement costs represents a significant cost savings to our customers

MILL LINER SOLUTIONS

Engineered Rubber Discharge Mill



PT ABS Indonesia's polyurethane Discharge Mill Head is an engineered product designed to replace the heavy castings on the discharge end of mills. Each mill head is custom designed to meet the customer's unique specifications. While PT ABS Indonesia's polyurethane compound is most frequently used, other rubber compounds may be used to meet special requirements. The ability to rebuild and repair these mill heads significantly reduces replacement costs and eliminates disposal cost.

CONSIDERATIONS

Consider This Weight Reduction
Rubber/Urethane vs. Casting

- ◆ Power cost reduction for turning mills.
- ◆ Reduced mill fatigue on trunnions, bearings, etc.
- ◆ Potential for increased production - loads in mills.
- ◆ Custom design.
- ◆ Increased processed material throughput.
- ◆ Variable material thickness facilitating change-out coordination.
- ◆ Increased mill shell protection.
- ◆ Reduced installation time.
- ◆ Environmental Solutions.
- ◆ Rebuild and repair results in reduced replacement and disposal
- ◆ Tighter fit for dryer ends and dust control.

CONTACT DETAIL

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ADVANTAGES

PT ABS INDONESIA "POLY/RUB" MILL CAST PARTS APPLICATIONS

DESCRIPTION	MATERIALS REPLACED	FEATURE OF URETHANE
1. FEED END SEAL RING	RUBBER	DECREASE MAG. LOSS
	LINATEX	DESIGN FLEXIBILITY
	METAL	
2. FEED END SCOOP BUCKET	METAL	LIGHT WEIGHT
	VULCANISED RUBBER	DEFORMS READILY
		(DECREASES DAMAGE)
		DECREASES MAG. LOSS
3. DRIP RING	CAST IRON	WEIGHT
	FABRICATED STEEL	COST
4. FILLER RING	CAST IRON	WEIGHT
	RUBBER	COST
7. TRUNNION LINER	RUBBER	COST EFFECTIVE
	STEEL	LIFE
8. TROMMEL SCREEN	RUBBER	LIFE
	WIRE CLOTH. WOVEN SCREEN	COST EFFECTIVE
		SERVICE
9. OVERSIZE RETURN BUCKETS	RUBBER	EASE OF CHANGEOUT
	STEEL	DEWATERING
10. BUCKET EXTENSIONS	RUBBER	LIFE
AND SEAL RING	LINATEX	FLEXIBILITY OF DESIGN
11. FEED BOX LINER	STEEL	FLEXIBILITY OF DESIGN
		PLIABLE
12. SPIDER TUBE COVER & WEAR PLATES	VULCANIZED RUBBER	CAN BE PLACED VISUAL INSPECTION POSSIBLE
13. BOLT PLUGS	RUBBER	EASE INSTALLATION
14. SUMP LINER PLATES	RUBBER	COST EFFECTIVE
		LIGHT WEIGHT
15. SHELL BACKING LINER	RUBBER	EASES LINER REPLACEMENT
		PREVENTS WEAR ON MILL SHELL
16. FEED SPOUTS	METAL	LIGHT WEIGHT
		COST EFFECTIVE
17. RETURN TUBES	RUBBER	REPAIRABLE
		COST EFFECTIVE
18. OVERSIZE RETURN SLEEVES	RUBBER	REPLACEABLE
	STEEL	ROTATABLE