Metalleco

3D additive manufacturing sprocket welding system

Names	Parameters
Stack welding layer thickness tolerance	≤0.5mm
Bonding strength improvement	30%
Laser tracking system adjusts paths dynamically	repeat positioning accuracy ±0.08mm

Product Performance and Advantages

Material optimization:

Improves base material toughness while maintaining high hardness (>HRC 63)through graded hardening

Enhanced durability:

Achieves thickness 220 mm and extended lifespan (2x conventional sprockets) viarefined structural integrity

Parameter stabilization:

Welding current/voltage are system-automated locking to eliminate manual fluctuations

Robotic coordination:

Achieves multi-angle welding via 6-axis robot + positioner synchronization, ensuring uniformity insprocket pocket stack welding layers

This integrates additive manufacturing with robotic automation to redefine sprocket performance standards.

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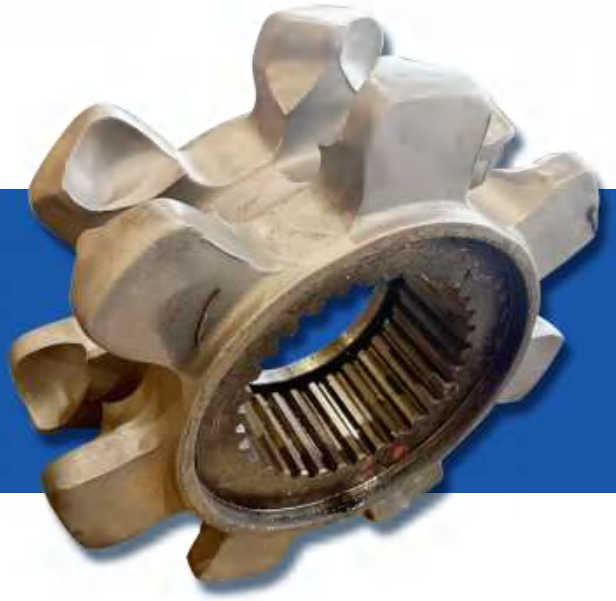

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PURCHASE REQUISITION

DATEREQUESTED	SHIPVIA
ORDERBY	DATE

REQUESTED BY	DEPARTMENT	GLACCOUNT
SOURCE		
METALLECO INC.		

ORDER FROM		
PO#	DATE	☐PREPAID PO

QUANTITY	UNIT	STOCK NUMBER	DESCRIPTION	UNIT COST	TOTAL COST

TOTAL ORDER COST:

VENDOR NOTES

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