



Industry: Tire Manufacturing

- A tire manufacturer needed to replace critical gears
- The gears required special teeth cutting.
- Martin re-rimmed the gears within just 6 weeks.

Documented Cost Savings - \$22,095



Product

Martin manufactures spur gears and gear rack, bevel gears, miter gears and worm gears. With a vast inventory of raw materials, modern machine tool capacity, and a pro-service attitude, Martin makes short work of a quick delivery on all specialty gears.

Martin offers bored-to-size gears with off-the-shelf convenience. Martin can deliver gears bored to your specifications with the same delivery times as any of our stock items.

Challenge

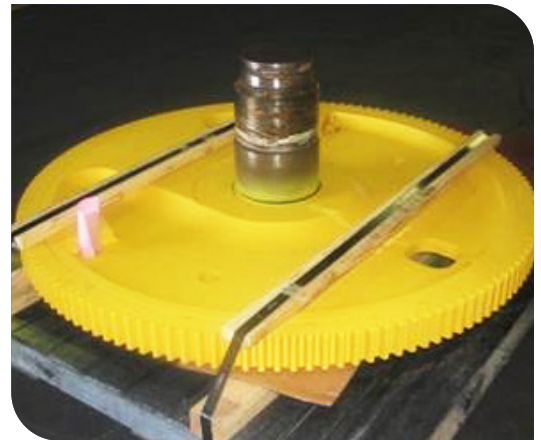
- A tire manufacturer needed to replace a pair of worn steel bull gears for their tire curing presses, a critical operation.
- The specialty gears required teeth cutting at 244 degrees.
- The OEM replacement gears, which would have shipped from Romania, had an estimated delivery of 6-9 months.

Solution

- To save the customer money and deliver a workable product within a much shorter timeframe, the Martin team suggested re-rimming the gears.
- The re-rimming process involved machining off existing teeth, refitting the 1040 steel ring with bolts and pins, securing them to the gear, and finishing by cutting teeth into the new steel ring.

Impact

- Martin delivered the re-rimmed gears within just 6 weeks, which avoided significant downtime for the tire manufacturer. The alternative solution significantly reduced the price of a new gear, saving the manufacturer 2/3 of the cost of the OEM gear.



Bottom-line Results

Cost Saving Solution

(\$11,047.50 part savings x 2 gears)

Documented Cost Savings

\$22,095

Learn more about Martin and power transmission & material handling solutions at:
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