FibreComp® CRITICAL PARTS

Bushings for Necker Housing Reworks

• Critical tolerances for longer service life
• Reduced tool/die wear leading to less scrap and reduced lubrication

Bushings for Bodymaker & Trimmer Housing Reworks

• Minimal wear and dampen wobbling and other vibrations
• Extremely low wear rate maintains alignment and reduces wear on expensive dies

Manifolds for IC Spray, Decorator, Light Tester & Vacuum Parts

Eliminates common causes of manifold failures (warping and uneven wear) through low wear, low co-efficient of friction and no wear to mating surface

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INDUSTRIAL APPLICATION:
STEEL & ALUMINUM CAN MANUFACTURING

Customer Challenge

Plant Productivity & High Cost of Downtime

Can manufacturing is an automated, high-speed precision operation that demands precise equipment alignment.

• Bronze bearing materials require lubrication and constant re-alignment, which lead to expensive downtime.
• Other thermoplastic plain bearing materials are soft, wear quickly, and deform under load causing alignment problems.

Our Solution

FibreComp® Bushings, Manifolds & Split Rings

Our industry-proven composite materials are self-lubricating with low wear rates and zero creep, which lead to increased productivity, reduced downtime and maintenance costs.

• 4 to 10 times longer service life compared to bronze and other thermoplastic materials
• 600°F (316°C) continuous operating with spikes to 1,000°F (538°C)
• Excellent dimensional stability & high impact resistance

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FibreComp® Material: Wear and Mechanical Test Data

Testing results prove our material outperforms lubricated bronze and metallic plain bushing materials.

**TRIMMER BUSHING WEAR TESTING**

- **Lubricated ALUMINUM BRONZE**
- **Unlubricated FIBRECOMP®**

**TYPICAL BUSHING OPERATING COST**

- HYCOMP®
- Competitive Materials

**TYPICAL MANIFOLD LIFE**

- FIBRECOMP®
- Competitive Materials

**TYPICAL SHELL DIE COMPONENT WEAR**

- FIBRECOMP®
- Competitive Materials