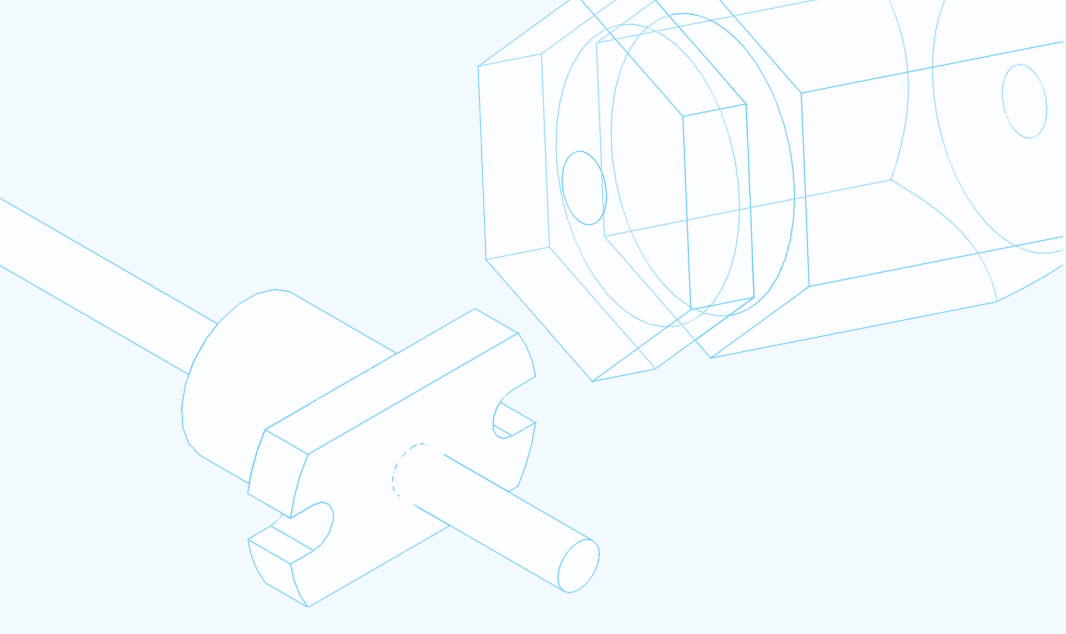




capabilities

catalog & custom solutions

Putting your ideas in Motion



24-Hour Rapid Delivery of Prototypes

Multiple Global Manufacturing Facilities with in-house Capabilities

- Injection molding
- Motor design (BLDC, limited angle torque, linear, slotted, slotless)
 - Software design (sensor, sensorless, microchip, GUI)
 - Thread forming
 - Gearbox design
 - Hardware design

FDA and Clean Room Design Expertise

National Instruments LabVIEW for Measurement, Data Analysis and Final Testing

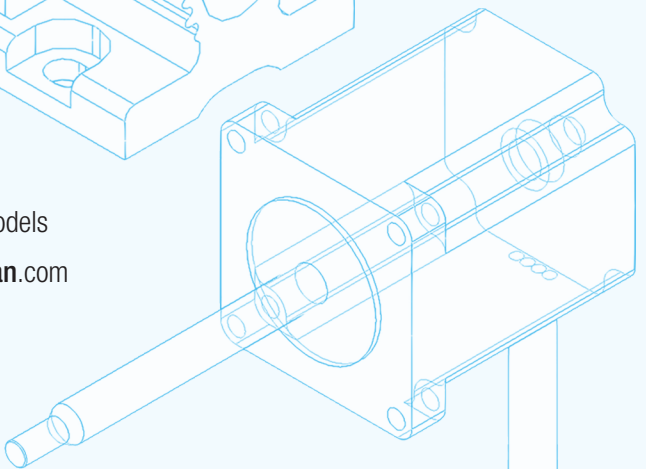
Application Engineering Support

ISO Certification

resources

Digital Database of
FREE 3D and 2D CAD Models

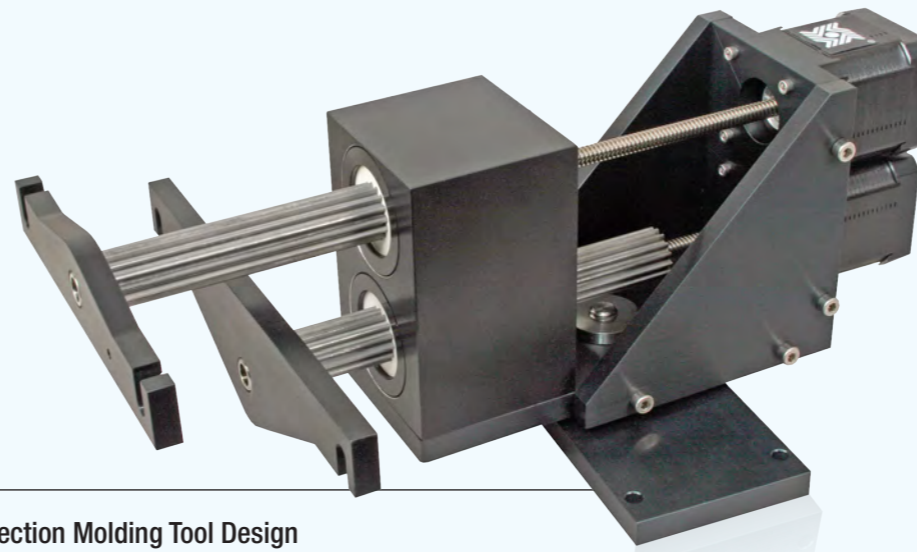
www.haydonkerkittman.com



In addition to offering thousands of standard catalog products, Haydon Kerk Pittman takes great pride in designing and developing customized solutions for your application needs.

Our Development and Design Engineers begin with basic components and expand to ideal solutions for your motion needs.

*full inspection and testing capabilities (interferometry, vision inspection, environmental, vibration and noise testing).
all operations are ISO Certified and RoHS Compliant*



Injection Molding Tool Design

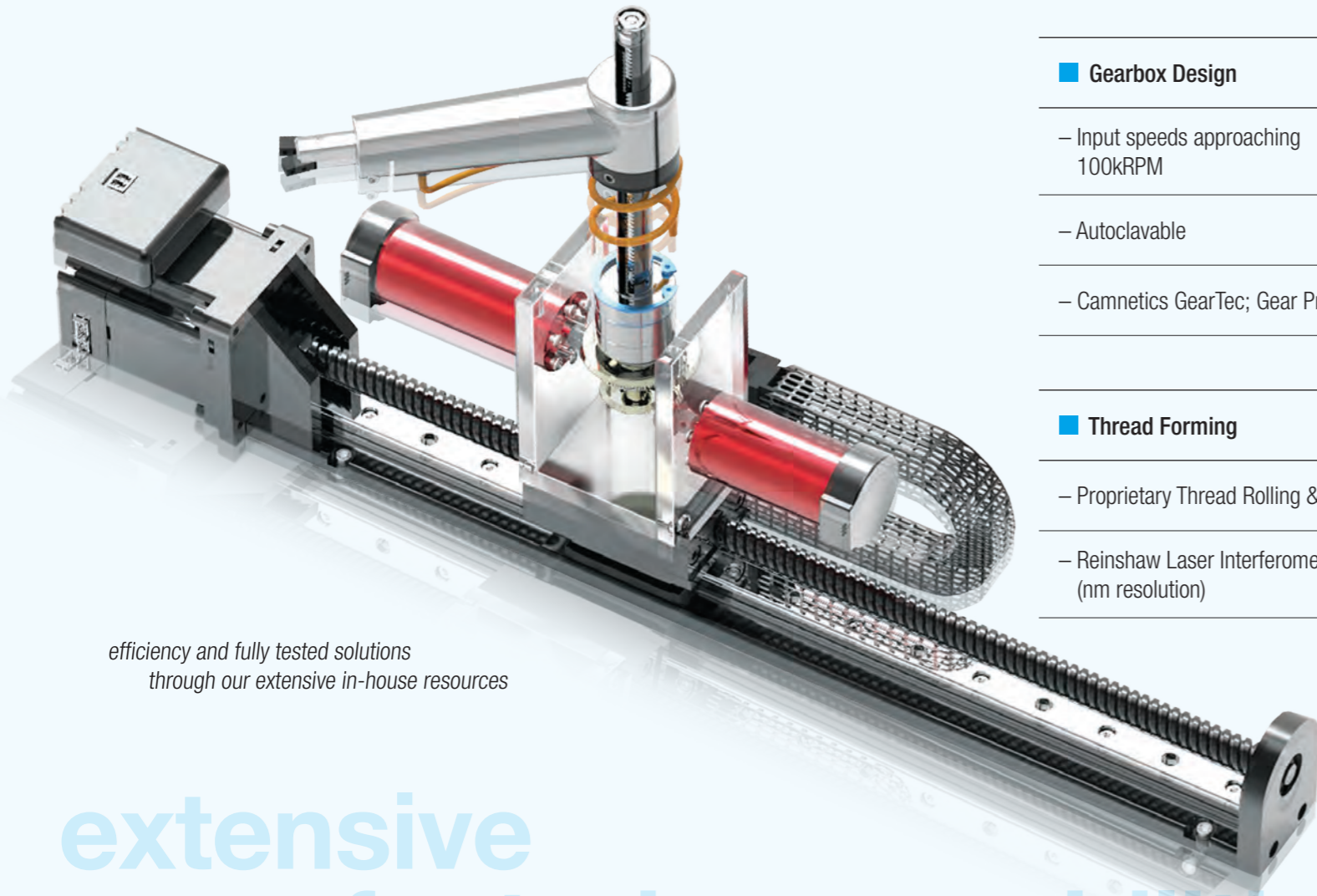
- Complete Mold Making and Over-Molding
- SolidWorks Plastic Analysis
- Fiber-Filled Materials and Non-Standard Polymers

Gearbox Design

- Input speeds approaching 100kRPM
- Cut Steel, Molded & Sintered
- Autoclavable
- Spur & Planetary
- Camnetics GearTec; Gear Profile & Modeling Software

Thread Forming

- Proprietary Thread Rolling & Whirling (1.6mm)
- Reinshaw Laser Interferometer Lead Mapping (nm resolution)



efficiency and fully tested solutions through our extensive in-house resources

proprietary & patented products and processes

single source

advantage: simplify your vendor-base and reduce inventory costs

Motor Design

- BLDC, Limited Angle Torque, Linear, Slotted & Slotless
- Precision Thread Rolling & Design
- Plastic Thread Molding – Screw Machining
- Lamination Optimization, Surface & Magnet Geometry
- Infolytica Template Solver and FEA Package

Software Design

- Hall Sensor & Sensorless Positioning
- Trapezoidal & Sinewave Commutation
- UL1998 Design Methodology
- Stepper, BDC & BLDC Motor Control
- MicroChip, TI Programming & Debug Tool Set
- Visual Basic for GUI Development

Hardware Design

- DC & AC Inputs – Power Electronics
- Spice Simulation



extensive manufacturing capabilities

Our Primary Markets

Medical Equipment &
Laboratory Instrumentation

Industrial Automation

Semiconductor

Transportation

Business Machines



Individual attention from a direct contact
of a focused and strategically aligned group,
supported by company-wide resources
of a global corporation.



Manufacturing high precision motion systems
at any level of sophistication and integration
while providing expert mechanical,
electrical and software support.

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