

Contents

Page 1: Company profile
Page 2-3: Expanding chuck overview
Page 3: Selling points
Page 3-4: Article ideas

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Converttech company profile

Chosen by major OEM's for simplicity, reliability, and cost-effectiveness

Since 1978 Converttech, Inc has provided the wide and narrow web industry with reliable, high-quality expanding shafts and chucks with the fastest lead-time in the industry. Our focus on customer service creates an environment of inspiration and innovation which we pass on to our customers through superior and cost-effective product design.

Simplicity in design means reliability

Beginning with the first leaf shaft we produced 26 years ago and continuing with the latest air roll lock differential shafts we continue to focus on reliability through simplicity of design. By focusing our efforts on you, the customer, we manufacture our shafts and chucks using the materials and workmanship you've come to know us for. Everything we do each day is focused on what you need: reliability, durability, quality, and delivery time. Each shaft and chuck is designed and manufactured from the ground up to meet your exact specifications and will be delivered to your door faster than any other shaft and chuck manufacturer.

Simplicity in repair means less down time

Why waste your valuable time repairing your shafts and chucks with banding tools or a hydraulic press? Converttech shafts and chucks are simple and easy to repair: a set of allen wrenches and a snap-ring plier is all you need to get your shaft back in production. We've simplified our repair process to keep you up and running more of the time and repairing less of the time. Spending an hour or more repairing a bladder? Our innovative bladder sealing methods can reduce your bladder repair time to as little as ten minutes.

Two week lead time ensures you have what you need

If you've been waiting 8 to 16 weeks for a shaft or chuck you've been waiting much too long. At Converttech we pride ourselves on our fast lead time; the fastest in the industry at the same (or less) cost than other shafts and chucks. In about two weeks we can custom manufacture your shaft or chuck and have it shipped directly to you.

No hassle ordering, less waiting on delivery, highest quality shafts and chucks

Because we focus on simplicity and reliability in production we can pass the same simplicity and reliability of shafts and chucks on to our customers. Our superior quality products and our incredibly fast speed of delivery means Converttech is the right choice for any shaft or chuck. We're here to help; call, email, fax, or write

Expanding chuck overview

What are expanding chucks? A shaftless core chuck (pneumatic/mechanical, mechanical, or external bladder) is an expanding core holder designed for high speed printing, laminating, or sheeting applications on unwind flying or zero speed splicers and other shaftless unwind/rewind applications. Converters can dramatically improve splice reliability, increase operating speeds and save time and money with repeated use of cores without damage to core ends, which can lead to excessive dust. Wide footprint lugs provide a consistent grip on the core, without damaging the inside. Ease of removal is maintained with pneumatic and mechanical retraction of lugs, ensuring that the lugs never stick in the core.

Chucks can also be used in conjunction with an adapter (or set of adapters) as a low cost and flexible alternative to multiple shaft size applications.

Types of expanding chucks from Convertech. There are several types of expanding chucks available from Convertech. Each type has a different application and a specialized method of expansion.

Mechanical Chuck



Precision-machined alloy steel makes these mechanical chucks virtually indestructible, providing the best torque capacity for light-duty unwinds or rewinds for the lowest cost. Fits over your web shaft to adapt for larger core sizes. Standard sizes are 3" and 6" diameters.

Mechanical High-torque Chuck



Designed for heavier duty applications on shaftless braked unwind or rewind stands. Convertech's mechanical high-torque chucks are bi-directional. Standard sizes are 3" to 8" diameters.

Pneumatic/Mechanical High-torque Chuck



Pneumatic/mechanical expanding chucks are recommended primarily for unwinding, where perfect centering is needed. They can also be used for winding and rewinding, and are superior for higher weight, speed, and torque requirements. The body of the chuck and the expanders are available in steel only. The chuck is available in flange or cantilever type mountings. Expansion is accomplished by an air activated piston which mechanically engages the expanders. When running different core diameters, Convertech also offers interchangeable adapters which can be fitted onto one base chuck. Standard sizes available for Convertech's pneumatic/mechanical high-torque chuck are from 3" to 12" diameters.

External Bladder and Cheap Chuck



External bladder chucks are low cost, flange mounted chucks. Used for all shaftless unwinds and rewinds. "Cheap" air chucks are available in 3", 4", 5", 6", 8", 10", and 12" diameters. A very inexpensive way to adapt a standard air shaft to a larger diameter roll, Converttech's Cheap Chuck is available with core stops, split clamps, and a connector kit (to string multiple adapters together.)

Adapters



Converttech adapters last up to 5 times longer than the competition. Our adapters are so durable, they act like expanding shafts themselves. They are available with mechanical or pneumatic expansion, and in practically any configuration. Used in conjunction with any brand of shaft or chuck you can create a "Systems Approach" which provides a flexible and inexpensive alternative to multiple sizes of expensive expanding shaft.

Major selling points

- Fastest delivery in the industry; about two weeks from custom print to ship time
- Available in several diameters from 3" to 12"
 - Rugged all metal construction (except cheap chucks and external bladder chucks)
- Exceptionally easy to repair; no special tools are required
- Parts are readily available and easy to find
- Sizable savings for OEM's
- Reduce reset time and expense by creating a "Systems Approach." Combine chucks with adapters to accommodate multiple core sizes and fast changeovers
- Expansion and retraction to a firm and consistent diameter eliminates core damage

Article ideas

Incredibly fast expanding chuck delivery at no extra cost

Despite aggressive competition from larger companies, Converttech has found its niche in the expanding chuck industry; incredibly fast lead times larger competitors can't beat.

Armed with the flexibility of a mid-sized business Converttech has proven it can deliver the highest

quality expanding chucks in the least amount of time. Converttech has simplified production and created an easy-to-use line of products which can be produced faster than its competitors.

No quality has been lost with the reduction of delivery time. Each chuck is produced with only the highest quality material. All chucks are meticulously engineered and produced to each customer's exacting custom specifications. By streamlining production and simplifying design Converttech ensures a fast delivery time.

A System's Approach saves money and time



By combining Converttech's high quality line of chucks with versatile adapters you can reduce reset time and the number of costly expanding shafts. Converttech's adapters last up to 5 times longer than the competition. Our adapters are so durable, they act like expanding shafts themselves. They are available with mechanical or pneumatic expansion, and in practically any configuration. When your application requires frequent core size changes, adapters are an easy and inexpensive alternative to multiple expanding shafts. Adapters are available in diameters up to 16" and face lengths up to 150".

Pneumatic/Mechanical high-torque chucks can take the heat



Converttech pneumatic/mechanical high-torque chucks expand mechanically to ensure precise concentricity. Always obtain positive, instant lock up and release with Converttech's chucks.

Pneumatic/mechanical high-torque chucks are recommended primarily for unwinding, where perfect centering is needed. It can also be used for winding and rewinding, and is superior for higher weight, speed, and torque requirements. Pneumatic/mechanical high-torque chucks provide the highest torque and weight-bearing capacity of any chuck style.

Standard sizes available for Converttech's pneumatic/mechanical high-torque chuck are from 3" to 12" diameters. The body of the chuck and the expanders are available in steel only. The chuck is available in flange or cantilever type mountings.

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