





Power Transmission Engineering

# OFFICIAL SHOW GUIDE 2023



# **ADVERTISING OPTIONS**

Expanded Booth Listings
Sponsored Content
Display Ads





# MAKE THE MOST OF

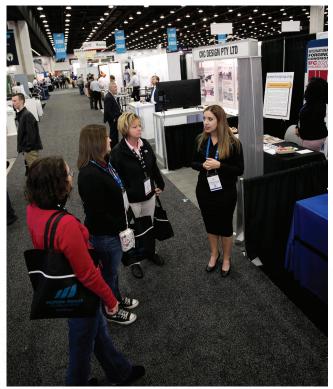
# YOUR MPT EXPO PRESENCE

Exhibitors at Motion + Power Transmission (MPT) Expo 2023 in Detroit will have the opportunity to connect with the top manufacturers, suppliers, buyers and experts in the gear manufacturing, power transmission, electric drive and fluid power industries. The 2023 MPT Expo Official Show Guide is your place to stand out from the crowd by making sure that the gear and power transmission market knows about your company and your commitment to our industry.

- + Reach an anticipated 3,000+ in the printed show guide, which will be distributed to attendees.
- + Reach the entire AGMA / AGMA Media power transmission world (over 35,000 strong) in the digital edition launching early October.
- + Make sure you are seen with the complete directory of the show's exhibit halls, events and educational opportunities, along with all the maps, contact information and tips every visitor needs to make their 2023 MPT Expo trip a success.

Every exhibitor at MPT Expo will have a presence in the Show Guide, including logo, booth listings and category listings in our product guide. But we're also offering exhibitors the opportunity to enhance their presence in a number of ways:

- + **Expanded booth listings.** Need more than the standard 100-word description to let potential visitors know about all the new products and services your company is offering? No problem! You can pay for additional space (see page 3).
- + Featured articles. Do you want to be seen as a thought leader in the motion and power transmission space? Do you have new technology that needs a more indepth approach? How about an application story that showcases that new technology. You can place an article in the show guide to help get the word out (see page 4 for rates and details).
- + **Display advertising.** We offer a full range of display ads in the Show Guide, from two-page spread down to 1/4 page ads (see page 5 for rates and details).





# **BOOTH**

## LISTINGS

Free listings are available for all MPT Expo exhibitors. If you're an exhibitor, you should have received a link to fill out your basic information and categories. In addition, we'll be contacting all exhibitors as we get close to the show in order to make sure all listings are up to date.

Basic booth listings are limited to 100 words. If you'd like to add a more in-depth description of your products and services, you can do so for a small fee (see table, right column).

Logo, up to 100 words and one photo	FREE (included with exhibit space)
Logo, up to 400 words and two photos	\$599
Logo, up to 800 words and three photos	\$999
Logo, up to 1,500 words and five photos	\$1,399

Exhibitors who are interested in reaching the gear and mechanical power transmission industry should contact Dave Friedman, friedman@agma.org, in order to ensure that your company will be included in the MPT Expo Show Guide. Both free and paid options are available.

NEED MORE ROOM FOR YOUR MESSAGE? HAVE A LOT OF PRODUCTS?

<u>NO PROBLEM!</u> BOOTH LISTINGS CAN BE UPGRADED

WITH ADDITIONAL TEXT AND PHOTOS



## Kupral S.r.l. - Booth 2208

Liebherr Gear Technology, Inc. -

Gear Cutting machines, automation systems and cutting tools. Liebherr-Gear Technology offers a complete program of gear technology. It comprises all technical systems and classes of gear hobbing machines, generating grinding machines, gear shaping machines, and cutting tools. The first to apply the dry-hobbing process, the flexible and rigid LCs gear grinding machines, and the electronic-guide gear grinding machines, and the electronic-guide

Through its automation systems division, Liebherr is able to offer, in addition to the individual machine, a synergetic combination of manufacturing technology, logistics and factory design. The aim is to provide comprehensive solutions for the benefit of industrial customers all over the world.

## Louis Belet - Booth 2412





Product range goes from standard to custom, carbide to ceramic and going through PCD, gear cutting solutions internal or external.

Looking forward welcoming you on our booth!

#### Machine Tool Builders Inc. -**Booth 3215**

## Industry-leading Machinery Solutions

Provider
Originally established in 1995 as a service organization, MTB has since evolved into a world class machinery rebuilder and designey/builder of custom equipment. Since our inception, MTB has been declicated to providing top quality, highly reliable solutions to the machine tool industry, at etchnology driven firm, the staff of MTB offers a wide array of experience in mechanical and electric design. This knowledge is couple innovation and a genuine designer service you need, when you need.

Recontroling, Retrofits, Service

#### Magnetic Inspection La **Booth 2125**

## MIL

## MAGNETIC INSPECTION LAI

Magnetic Inspection Laboratory

## **MB Metal Technologies 2115** MB Metal Technologies, LLC off



## **Weldon Solutions - Booth 3115**



#### Visit Weldon Solutions for the best in **Grinding and Robotics**

Weldon Solutions provides CNC Cylindrical Grinders and Robotic Automation Systems to a broad



On-site installation and start-up allow for full turnkey responsibility.

All equipment is custom designed to maximize efficiency and factory tested to ensure that all project needs are met. Prompt, on-site, technical support allows equipment to perform efficiently throughout its life

Wenzel America Ltd. - Booth 2214



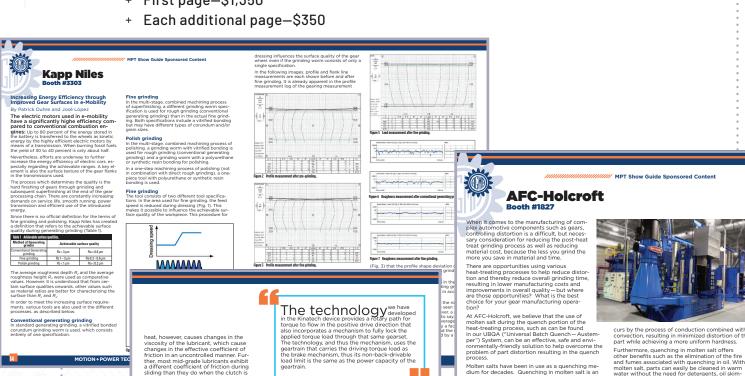
# **SPONSORED**



## CONTENT

The Show Guide will include feature articles and information about the latest technology being shown at MPT Expo. You can make sure your story is included by placing a sponsored content article. Each page of content allows for approximately 700 words of text and 1-2 photos (.jpg or .tiff format/300 dpi).

+ First page-\$1,350



heat, however, causes changes in the viscosity of the lubricant, which cause changes in the effective coefficient of friction in an uncontrolled manner. He her, most mid-grade lubricants exhibit a different coefficient of friction during sliding than they do when the clutch is locked. This varying coefficient of effec-are typically labeled dynamic or sliding friction, and static friction.

friction, and static friction.

Clutch chatter (i.e.: chudder, shutter or shudder) is generally attributed to this very dynamic, almost stepwise, change in system response, especially as the rotational between the input and output come close to zero. Chatter can be very detrimental to either the load-holding and position control system and/or the load itself. Chatter is also very hard on internal components as it manifests itself large magnitude, high frequency vibration and the polytopic chatter of the properties of the properties of the control of the properties of the properties

control.

The other common method to hold two rotating components together is the positive latch which does not rely on friction, but on a latch engaging one of the rotating components. If not done properly, the engagement places a great deal of shock loading on the latch and can cause it to break catastrophically or wear down the matting surface quickly. Latches have been used in many products; a simple latch and eyehook to hold a gate or door shut is an example. However, if there is any load on



the door (such wind) then it is difficult to get the latch to line-up with the eyehook. Neither of these two technologies provided the operational characteristics we are looking for. What we really need is to not separate the load-driving mechanism (in our example, the

geartrain) from the motion-control mechanism. The technology we have developed in the Kinatech device provides a rotary path for torque to flow in the positive drive direction that also incorporates a mechanism to fully lock the applied torque load through that same gearset. The technology, and thus the mechanism, uses the geartrain that carries the driving torque load as the brake mechanism, thus its non-back-drivable load limit is the same as the power capacity of the geartrain.

thus its non-back-drivable load limit is the same as the power capacity of the geartrain. It is based on the kinematic relationship of the driving geartrain to also lock the main power-path gears, thus the two components attached to those gears, to move and lock without any friction interface to wear or change characteristic responses over time or without any latch component that can fail in shock loading, input of motion comes or composition of the component of the component of the component of the composition of the component of the component

In comparison, our patented technology uses the rotational speed of the drive motor as the control input to the load. This means as the drive motor slows, the Kinatech device slows the load in a controlled manner based on its ratio. When the drive

tion?

At AFC-Holcroft, we believe that the use of molten salt during the quench portion of the heal-treating process, such as can be found in our UBGA ("Universal Batch Quench—Austemper") System; can be an offective, safe and envery such as the problem of part distortion resulting in the quench process.

process.

Motten salts have been in use as a quenching medium for decades. Quenching in motten salt is an ideal way to minimize distortion in parts with challenging geometries while also allowing for processes that oil quenching cannot support, such as austempering, carbo austempering and ADI where the bainitic and ausferritic micro-structures achieved in various materials offer properties that are growing in demand, especially in the engineering drive for the lightweighting of automotive components. This is because of the wider operating temperature range that molten salt offers over oil.



Quenching in molten salt is considerably different from quenching in oil, water or polymer. With most liquid quenchants, heat extraction occurs throughout the three stages or phases of vapor, boiling and convection. Quenching in salt is a single-phase quenching process with no vapor phase and so the issues and problems associated with the vapor phase are avoided. Most of the heat extraction ocrombase are avoided. Most of the heat extraction oc-

curs by the process of conduction combined with convection, resulting in minimized distortion of the part while achieving a more uniform hardness. Furthermore, quenching in molton salt offers other benefits such as the elimination of the fire and fumes associated with quenching in oil. With molton salt, parts can easily be cleaned in warm water without the need for detergents, oil skimmers and oil disposal procedures. Quenching in salt is a green process in that the salt can be reclaimed from the wash water and recycled back into the quench tank offering a huge savings in operational costs. Even the water after the salt reclamation process can be recycled back into the wash/rinse system. Sound a little too good to be true? We've proven its effectiveness time and time again. AFC-Holcroft's UBGA furnaces offer superior quench speed and uniformity. The unique quench tank and hous water addition techniques, allow the UBGA to offer a wide range of quench severity levels that can be used on a part-by-part basis depending on the part's geometry, hardness requirements and need for distortion control.

Salt quench systems are playing a major role in a new generation of engines. Transmission common.

for distortion control. Salt quench systems are playing a major role in a new generation of engines transmission compents and hydrid/Ev technology. AFC-Holorothas one of the largest install bases of salt quench systems, worldwide. Our proven designs have been adopted by major multi-national corporations across the globe, with greater acceptance than ever before. But don't just take our word for it—come visit us for at ASM Heat Treat 2021, Booth #1827, for more information.

# DISPLAY ADVERTISING

Don't forget to support your exhibit with additional promotional opportunities in *Gear Technology* and *Power Transmission Engineering*, both in print and online. Turn your MPT Expo Exhibit into a full-blown marketing campaign by adding:

- + Show Stopper ads in Gear Technology (August and Sept/Oct 2023 issues)
- + Show Stopper ads in Power Transmission Engineering (October 2023 issue)
- + Digital ads in the *GT* or *PTE* e-mail newsletter and Product Alerts
- + Custom e-blasts
- + See 2023 Media Kit for details

Ask **Dave Friedman** to help you put together a show package to maximize discounts and make the most of your marketing dollars! Contact **friedman@agma.org**.



RATE	ADVERTISEMENT	SIZE	
\$3,600	Front Cover Corner Display Ad	3¼"×3¼" triangle (+½" bleed) 82.5 × 82.5 mm	
\$3,600	Belly Band (wrap)	8"×5" (front) 8"×5" (back)	
\$3,200	2-page Spread (Bleed)	16"×10¾" (+1/8" bleed) 406×273 mm	
\$2,600	Premium Positions (inside front cover, inside back cover, outside back cover, Page 3, Page 5)	8"×10¾" (+1/8" bleed) 203×273 mm	
\$2,250	Full Page (Bleed)	8"×10¾" (+1/8" bleed) 203×273 mm	
\$1,500	Half-Page Island	4¾"×7¼" 120.5×184 mm	
\$1,350	Half-Page Horizontal	7¼"×43/4" 184×120.5 mm	
\$1,350	Half-Page Vertical	3½"×9¾" 89×247.5 mm	
\$950	One-Third Square	4¾" × 4¾" 120.5× 120.5 mm	
\$950	One-Third Vertical	2¼"×9¾" 57×247.5 mm	
\$800	Quarter Page	3½"×4¾" 89×120.5 mm	
\$650	One-Sixth Page	2¼"×4¾" 57×120.5 mm	



## 2023 MOTION+POWER TECHNOLOGY EXPO SHOW GUIDE ORDER FORM

(Deadline: September 14, 2023 for all orders AND materials)







Sold To: \_\_\_\_\_\_ Date: \_\_\_\_\_

Name:		
Company:		
Billing Address:		
City, State:Zip/	Zip/Postal Code:	
Country: Phone Num	Phone Number:	
E-mail:		
Please publish the following:		
Booth Listings (all listings include logo):  FREE! Up to 100 words and 1 photo \$599. Up to 400 words and two photos \$999. Up to 800 words and three photos \$1,399. Up to 1,500 words and five photos  Sponsored Content:  \$1,350. One page-article (700 words and 1–2 photos) \$1,700. Two-page article (1,400 words and 3–4 photos)  \$2,050. Three-page article (2,100 words and 5–6 photos)  \$2,400. Four-page article (2,800 words and 7–8 photos)  I'd like to submit a longer article (we'll provide ywith a quote after reviewing your materials)	Regular Display Advertising \$2,250. Full page \$1,500. Half page island \$1,350. Half page horizontal/vertical \$950. One-third page square/vertical  ou\$800. One-quarter page \$650. One-sixth page vertical	
Advertiser (Agency/Obligor) Please sign he	ere:	
Company:Name	e/Title:	
Signature:	Date:	

This agreement is binding after final acceptance by AGMA Media and subject to the terms and conditions as noted at <a href="https://www.geartchnology.com/terms.pdf">www.geartchnology.com/terms.pdf</a>



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