

MONTH	CLOSES	THEME	INDUSTRY FOCUS <i>SHOW COVERAGE</i>	CONTROL, MECHATRONICS, SENSING	MOTORS AND DRIVES	PT (POWER) + LINEAR TRANSMISSION	DESIGN BY OBJECTIVE	MOTION SCENARIOS	MONTH
JAN	12-8-2011	Networking issue (hardware, protocols, I/O)	Aerospace + defense	Encoders • Proximity sensing	Large motors	Automated lubrication • Seals • Rails	Safety	Hoisting	JAN
FEB	1-8-2012	Partners in PT Brakes and safety issue	Prototyping <i>Pacific Design - 2/14-16, Anaheim</i>	Cable + carriers	Motion programming	Sprockets • Linear subcomponents	Size + weight	Coating and layering	FEB
MARCH	2-8-2012	Reliability issue (diagnostics, PT, machine vision)	Future designs <i>Hannover - 4/23-27, Germany</i>	Stepper drives • Electronic cams	Small motors	Bearing integration • Pneumatics	Extreme environments	Punching	MARCH
APRIL	3-8-2012	Robotics issue (motors, grippers, cable carriers)	Medical <i>MD&M East - 5/22-24, Philadelphia</i>	Switches • Accelerometers	Shaft + linear motors	Belts + chains • Linear drives	Meeting standards	Wiping + swiping	APRIL
MAY	4-8-2012	Feedback and sensing issue (position, speed, HMI)	Entertainment + theater	Servogearing • Distributed control	Motors + drives	Shafts + connectors	Energy efficiency	Contouring	MAY
JUNE	5-8-2012	Lab Automation Motors issue (efficiency, DC motors)	Testing <i>Des. & Mfg. MW - 4/19-21, Chicago</i>	Machine monitoring • Potentiometers	Software + drives	Gears • Ball + leadscrews	Quiet operation	Robotic articulating	JUNE
JULY	6-8-2012	Connectivity issue (cable, connectors, terminals)	Electronics <i>SEMICON - 7/10-12, San Francisco</i>	Dynamic simulation • Wireless devices	Motor efficiency	Locking devices • Belt drives	High torque + force	Lifting	JULY
AUG	7-8-2012	Transmission issue (mechanical components)	Energy • Plastics	Smart bearings • Force/torque sensing	Brakes + motors	Couplings + U joints	Safety	Drilling + milling	AUG
SEPT	8-8-2012	Upgrade and programmable automation issue (adaptive, error checking)	Machining <i>IMTS - 9/10-15, Chicago</i>	Direct drives • Robotics • Load sensing Design software	Motors + drives	Bearings + springs • Slides	Washdown	Conveying	SEPT
OCT	9-8-2012	Dirty Drives Efficiency issue (subcomponents, complete designs)	Packaging <i>Pack Expo - 10/28-31, Chicago</i>	Sensors + controls and their integration	Large motors	Linear direct drives • Gearmotors Lubes + seals	Extreme environments	Bending + folding	OCT
NOV	10-8-2012	Made in America issue (PT, drives, new components)	Material handling	Servopneumatics • Machine vision	Motors + accessories	Cams • Racks and pinions	Energy efficiency	Sorting	NOV
DEC	11-8-2012	OEM Engineering Handbook and Supplier Directory: Includes the Basics of Engineering and Literature Links: Motion Control • Electrical/Electronic • Materials • Mechanical • Manufacturing & OEM Services							

AIM READERSHIP STUDIES: FEBRUARY & SEPTEMBER

BUYERS' GUIDE: **MARCH:** MOTORS & DRIVES • **MAY:** SHAFT COMPONENTS • **JULY:** MECHANICAL DRIVES • **SEPTEMBER:** BEARINGS & LUBES • **NOVEMBER:** LINEAR MOTION

