

From the pages of Control Engineering

Slotless, brushless PM motor is efficient

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Ventura,
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New winding technology promises to eliminate eddy current and hysteresis losses to obtain high power efficiency



over a wide speed range in ThinGap TG3600 Series slotless, brushless PM motors. High power density comes from the thin-walled stator, allowing use of both a very thin air gap and high-energy neodymium-iron-boron magnets. Low-speed cogging is said to be eliminated due to absence of magnetic hysteresis. ThinGap TG3600 Series offers 115 oz-in. max. continuous torque at 2,400 rpm, with 24 V dc and 15.6 A servo amplifier input. An unusually high thermal rating of up to 160-°C temperature rise comes with these motors. www.thingap.com

G&G Technology Inc.