

# MOTOR MAGAZINE TOP 20 TOOL OF THE YEAR AWARD

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## TOP 20 TOOLS

By MOTOR Editors

Presenting the best of the best for 2020!



Each year the call goes out to the world’s automotive tool designers, manufacturers and suppliers. The message is simple: Send us your latest and greatest—tools that are truly new and innovative. Show us something that makes us say: “Wow! We’ve never seen anything like this before!” Besides breakthrough originality, there’s only one other criterion that must be met for consideration: The product must have been introduced between May 1, 2020 and June 30, 2020.

MOTOR’s annual Top 20 Tools competition is now in its 29th year, but we’ve added a new twist this year. In addition to recognizing the Top 20 Tools, Motor also invited the manufacturers and distributors of other items—replacement parts, shop supplies, chemicals, training materials, etc., that have been designed to improve productivity and profitability in automotive repair shops—to submit their entries for a Top 20 Tools+ Award. The gallery of this year’s Top 20 Tools+ award winners begins on page 28.

As in years past, we were impressed by the quality and ingenuity of the entries we received. Information on specific features and capabilities of the products described here was provided to us and vouched for by their respective manufacturers or suppliers

### EMAX Smart Air Compressor

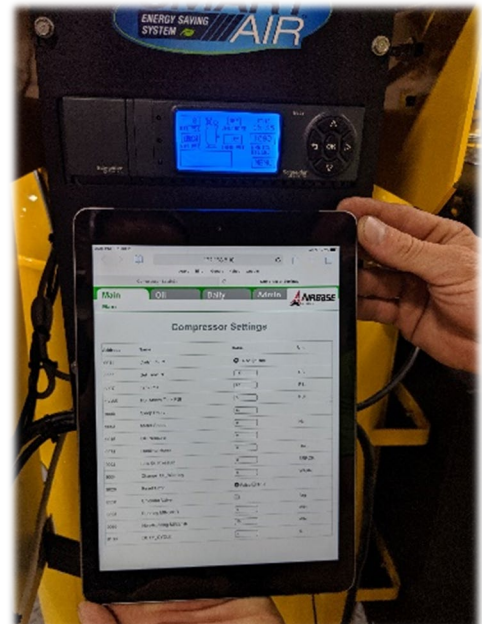
<https://emaxcompressor.com/products/emax-industrial-plus-silent-10hp-variable-speed-single-phase-air-compressor/>

The EMAX Smart Air Compressor is claimed to offer energy savings of 84% or more. For example, the company’s 10-hp Smart Compressor draws 28.7A on start-up, vs. 181A on other 10-hp single-phase compressors. The compressor is fully programmable. The PLC controller interface guides the user through several options, including setting the date and hours of operation, plus psi and rpm ranges. Additional features include automatic shutdown, maintenance warnings and oil levels. The variable drive allows the unit to be programmed to operate on three-phase or single-phase power.

ADDITIONAL information by [EMAX](#)



Thousands of Dollars in Energy Savings  
+ Silent Air Operation



## The Industry's First A.I. Programmable Reciprocating **SMART** Compressor

**Dayton Ohio** – EMAX® (a U.S. based Industrial Compressor Manufacturer) announced an innovative new product planned for release at this year's National Hardware show. This breakthrough product promises to revolutionize the air compressor industry by providing users with the ability to program stationary air compressors up to 25HP.

The EMAX® Programmable Air Line is Engineered and manufactured in the U.S.A. Featuring a 2<sup>nd</sup> Generation of Patent Pending "**Whisper™ Series Air Silencers**" the new programmable line also reduces stationary compressor DBA ratings below normal conversation levels! EMAX® Engineers developed and combined the New Variable Frequency Drive Technology (VFD) with the Whisper 100 series after feedback from thousands of users revealed that Stationary air compressors often referred to as the "Energy Hog" that typically sound like a Freight train running through their shop or business.

***"Our new energy savings VFD Air Compressor Technology saves a 10HP owner on average \$1000 annually plus an additional \$800 in lower annual maintenance expenses" said Matt Cain (CFO/President of EMAX® Compressor.***

Users can program the **day, date & hours of operation, set PSI & RPM ranges, plus choose continuous variable speed operation or start/stop plus automatically set the time to drain the water from the air compressor tank.**

In addition, VFD compressors *automatically shut down and/or provide maintenance warning messages when oil levels are low and oil or filters need to be changed.* A single SKU EMAX® VFD SMART air compressor model can be stocked by retailers and distributors that replaces up to 4 current, now outdated, technology models. This 1 SKU vs 4 SKU replacement is achieved by the VFD Technology which allows users to program their single phase or three phase electrical power supply requirements and multiple voltages! Instead of a single phase electric air compressor model or up to three additional 3 phase electric models with typically 208V, 230V, 460V and higher motors, VFD technology allows 1 unit to be programmed by the user to operate on the majority of input power options in the market.

EMAX® SMART air technology even enables buyers to install up to a 25HP compressor on single phase power anywhere, even in a home garage!

EMAX® has been designing and manufacturing air compressors since 1977 and is an industry leader in air technology. By streaming new ideas from the marketplace to the Engineering desktop, EMAX® has generated on average over 10 breakthrough new air solutions each year.

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