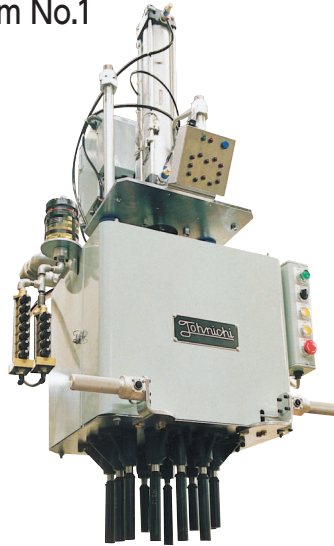


# Multi-Spindle Fully-Automatic Airtork Patented System

## Tightening Verification System No.1



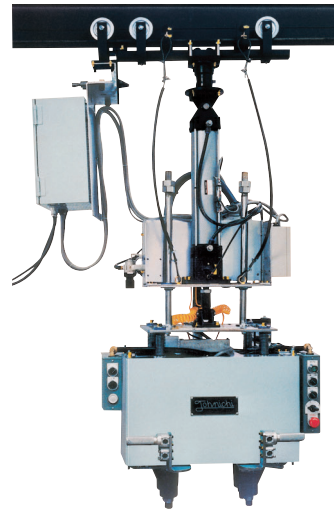
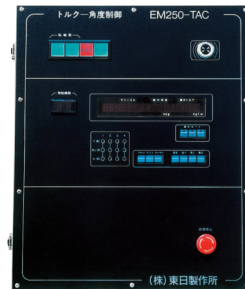
This system eliminates missed tightening which often takes place in bolt tightening assembly. Tightening completion can be directly verified by the lighting of a lamp or sounding of a buzzer using a micro switch.

## Tightening Verification System No.2



When the work piece is set in front, it is automatically transferred to the back, where bolts on the upper face and side faces are automatically tightened. When the tightening is completed, the lamp will light and the work piece will return to the original position.

## Multi-Spindle Fully-Automatic Airtork Patented System



### Multi-Spindle Nutrunner + Torque Sensor + Computer Control

Nutrunners with angle sensors monitor the tightening angle and tightening torque at the same time. When respective conditions are set in advance, defects of bolts, lubrication or materials can be detected.

## Multiple Spindle Monitoring System



On this machine each spindle will tighten individually one by one, stopping automatically at the preset torque value. At the same time the machine will check the tightening torque value and perform OK-NG judgment automatically. It features provisional tightening control, work piece model selection, and detection of product defects. The measured data can be transferred to a computer for data processing.

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