

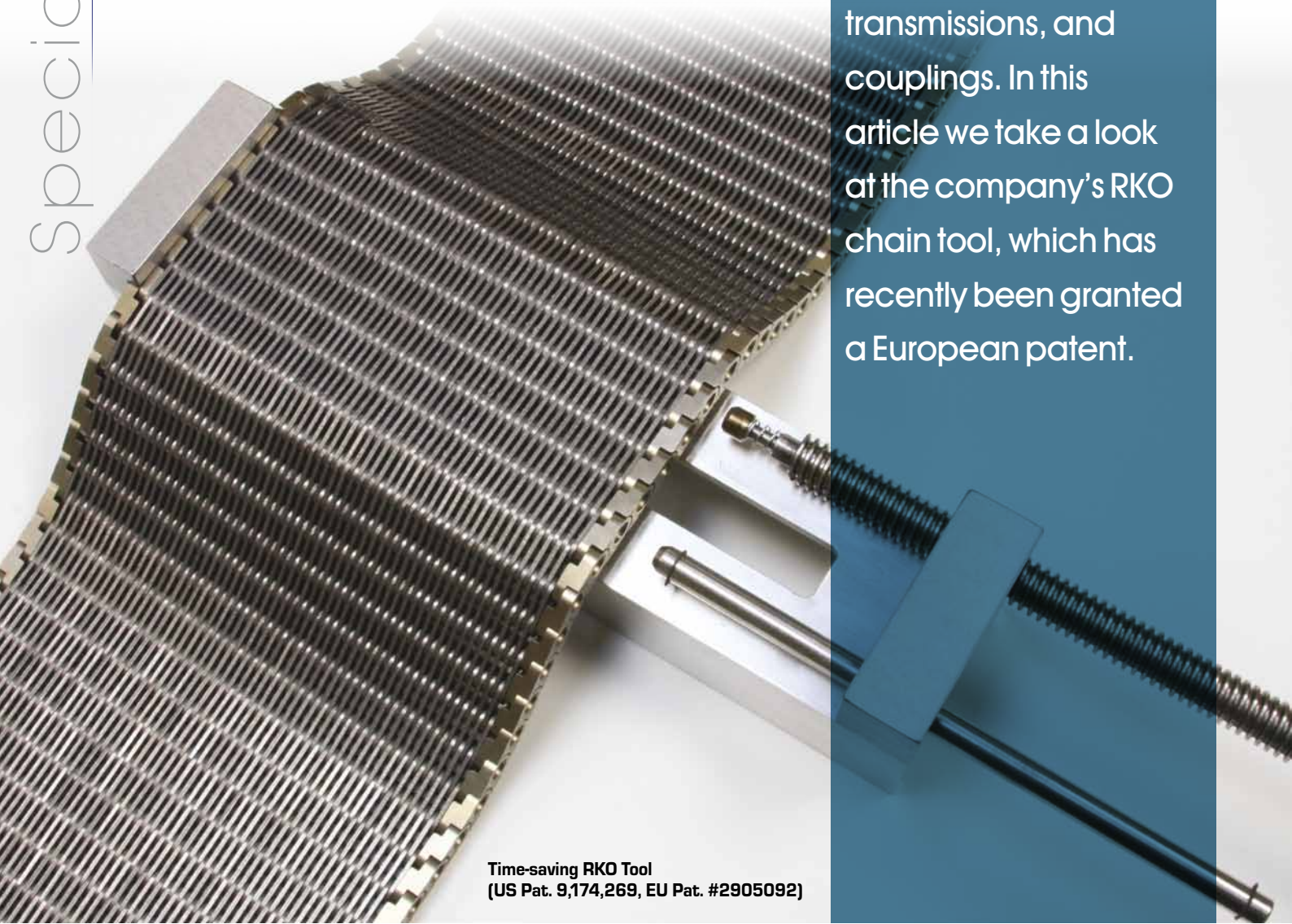
# RAMSEY

## European patent granted for RKO tool

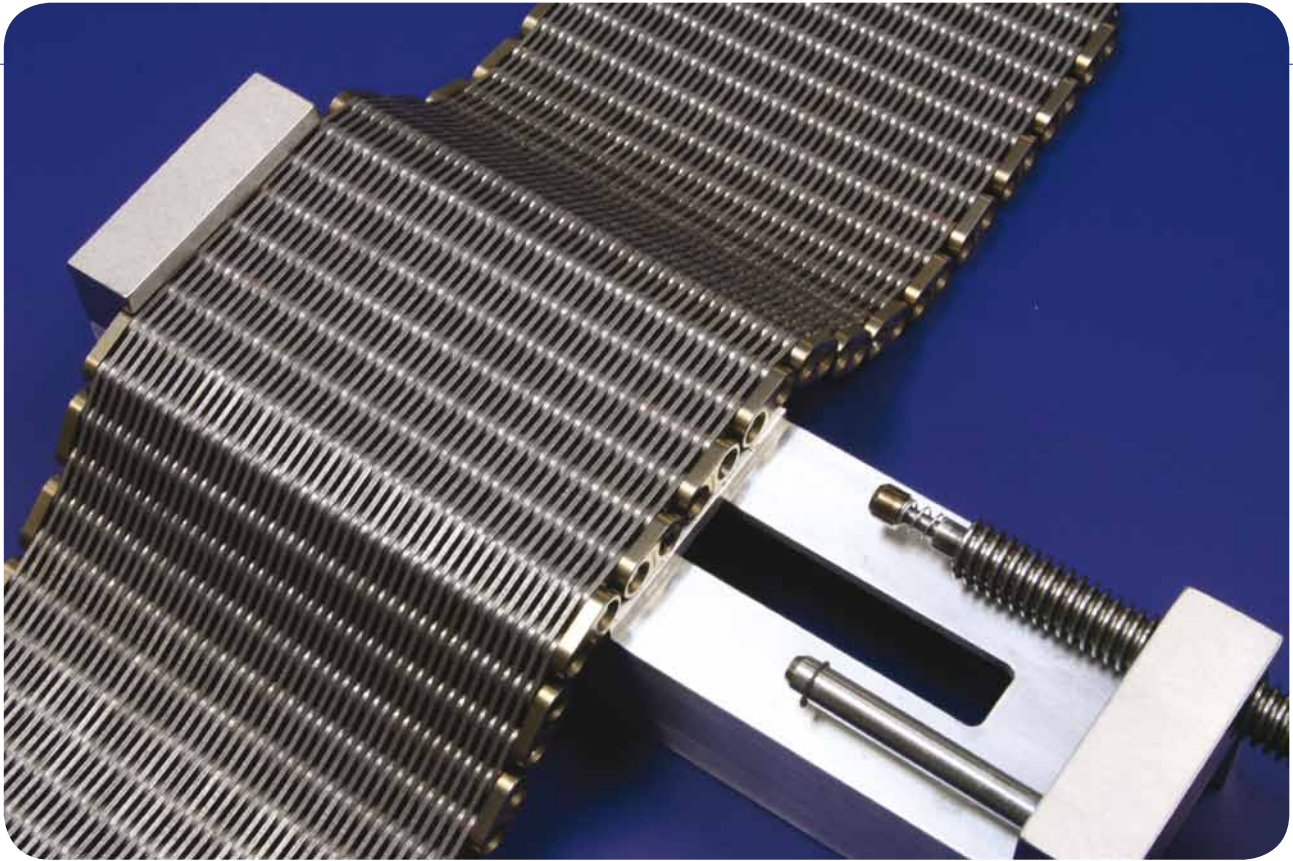
**R**amsey was recently granted a European patent (EP 2905092) for the RKO chain tool. This new patent expands coverage already provided by United States patent (US 9,174,269 B2). The RKO tool, or Ramsey Knock Out Tool<sup>®</sup>,

is designed to quickly and easily remove pins wherever a chain must be disconnected. The same tool can also be used to easily install chain connecting pins wherever chain sections are to be joined. Moreover, the RKO tool maintains chain link and spacer

Ramsey Products has specialized in silent chain and drive systems for over 90 years. Today, Ramsey is the world's leading supplier of silent chain based solutions, which includes sprockets, chain driven speed reducers, transmissions, and couplings. In this article we take a look at the company's RKO chain tool, which has recently been granted a European patent.



Time-saving RKO Tool  
(US Pat. 9,174,269, EU Pat. #2905092)



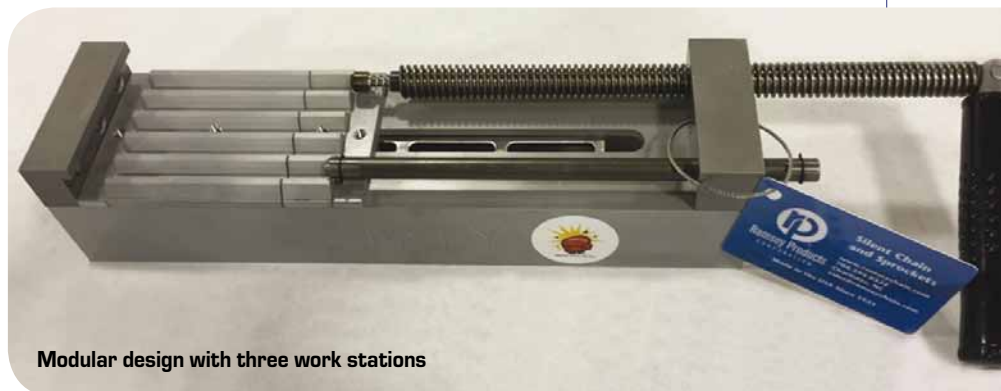
alignment and can save hours when connecting or disconnecting multiple chain sections.

### DEVELOPMENT OF THE TOOL

Ramsey's engineering team started looking into the development of a tool that could quickly and easily break the hardened steel side links that protect the chain's pin heads for disconnection. In addition, they were looking for a tool design that could assist in the chain's reconnection, without damaging the adjacent links. The result of those efforts is the RKO Tool. Ramsey decided to build into the tool the needed elements to cover all the necessary steps for connection and disconnection.

### THREE DISTINCT STATIONS

The tool provides three distinct stations: Station 1 safely breaks the existing pin head for disconnection, Station 2 assists in quickly removing the pin, and Station 3 maintains chain link and spacer alignment for smooth insertion of the drive pin, and provides an easy method for



Modular design with three work stations

heading the pin. RKO Knock Out Tools are equipped with modular guide plates that allow the tool to be adapted to almost any Ramsey Wear Protected chain.

### TESTED IN THE PLANT AND IN THE FIELD

The new RKO tool was tested in the plant and found to work very well. It was then field tested in glass plants in the US. According to one Ramsey engineer, "The RKO tool can save hours when connecting the chains on a typical IS machine or cross conveyor." A job that was once took over an hour to complete, now takes 5-10 minutes. The RKO tool is easy to

use – no more extensive hammering, no more welding, no more rigged set-ups. ■



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