

CUSTOMER PROFILE

Dana Increases Accuracy & Productivity with Finn-Power Nut Crimpers

Dana Canada, Inc., Weatherhead Plant, St. Thomas, Ontario, produces fluid power connectors for a wide range of hydraulic systems for large OEMs. The company produces forgings, straight swivel adapters, and pressure connectors in sizes up to 2" fittings resulting in a total of 6,000 different part numbers.

According to George Berkvens, manufacturing engineer for Dana, before the product change over from brass to steel, the company used four mechanical crimpers to produce the connectors. "The mechanical crimpers were very difficult to adjust," explains Berkvens. "There was a lot of wear on the fingers and rings, they also took some time to set up, and were not that accurate."

Today, all four mechanical crimpers have been replaced by two hydraulic nut crimpers from Finn-Power USA. Finn-Power's NC20 hydraulic nut crimper features constant center line die movement and provides fast and accurate operation in crimping nut/ferrule/bushing applications. Designed for use in full-scale production, these



Dana Canada, Inc. produces forgings, straight swivel adapters, and pressure connectors in sizes up to 2" fittings resulting in a total of 6,000 different part numbers.

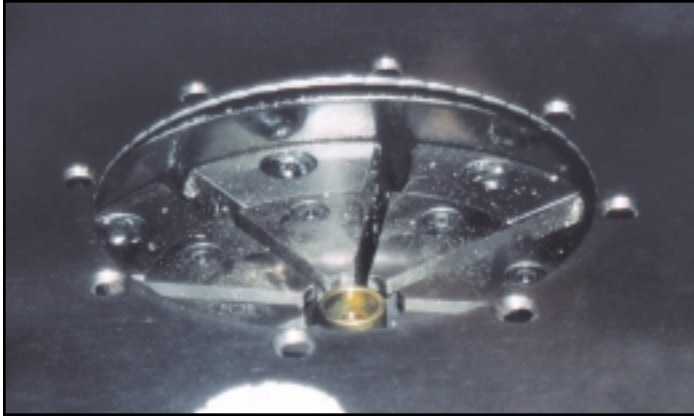
crimping machines have a theoretical production rate of more than 2,000 crimps/hour under optimal conditions.

"With all the nuts that we crimp on the Finn-Power machines, all we do is program the nut parameters, call up the programs, adjust the stop height, put in the fingers, and we're off and running with a five minute set up. The Finn-Power machines are quite versatile and accurate," says Berkvens. He explains that in the past, his company has had problems with accuracy and failures due to

“These hydraulic crimpers have sped up production, increased our accuracy, and dramatically reduced our set-up times.”

CUSTOMER PROFILE

uneven crimp diameters. "With the Finn-Power nut crimpers, you can go all the way around and the distance between the crimp fingers are within .001". That's because the machines are hydraulic and a lot more even."



Nut is inserted into the machine.



Stem section is inserted into the nut.



Machine crimps assembly together.

The Finn-Power nut crimpers are available with two types of controls: the VS controller, which is ideally suited for full-scale production of multiple parts; and the IS controller, which is user friendly and ideal for serial and single-piece crimping operations.

"Since we began using the Finn-Power nut crimpers on a new line, it is impossible to put a dollar amount on savings," concludes Berkvens. "However, these hydraulic crimpers have sped up production, increased our accuracy, and dramatically reduced our set-up times."

“ With all the nuts that we crimp on the Finn-Power machines, all we do is program the nut parameters, call up the programs, adjust the stop height, put in the fingers, and we’re off and running with a five minute set-up. The Finn-Power machines are quite versatile and accurate. ”



Complete assembly is removed.

FINN-POWER
Crimping since 1973

619 Estes Avenue ■ Schaumburg, Illinois 60193 ■ USA
Phone: (847) 885-1300 ■ www.finnpowerusa.com