

# Applications

## OSP AUTO-FEEDS CNC MACHINE TOOLS

### ■ PROBLEM

Hydrafeed Ltd, a market leader in the production of bar feed systems for the machine tool industry, developed a revolutionary short magazine system, which provides maximum storage of bar stock, while optimising production space.

By using two rodless pneumatic cylinders the 'Multifeed 3-80' series requires only 1/3<sup>rd</sup> of the space of conventional bar feeds and offers extremely high efficiency.

### ■ SOLUTION

By specifying Origa System Plus rodless pneumatic cylinders, Hydrafeed were able to enhance the machine design, both technically and aesthetically. OSP offered higher load capability, increased lateral rigidity and more compact dimensions than competing brands. Additionally, the cylinders were colour coordinated and brand labelled, specifically for Hydrafeed.

Two cylinders are used per system, one indexes bar stock from the magazine into the adjacent machine tool and the second cylinder, carrying a push rod, extends into the machine tool to fully utilise the bar stock.



**HOERBIGER**  
**ORIGA**

## ■ KEY BENEFITS

OSP cylinders provide a minimum life expectancy of 8000KM of travel and readily accommodate the 2-year machine guarantee provided by Hydrafeed. World wide support from the Hoerbiger-Origa organisation and a highly competitive package were additional reasons for specifying OSP-P.

## ■ TECHNICAL SUMMARY

2 x OSP-P 25mm Slideline cylinder with 1400mm and 1700mm strokes.

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