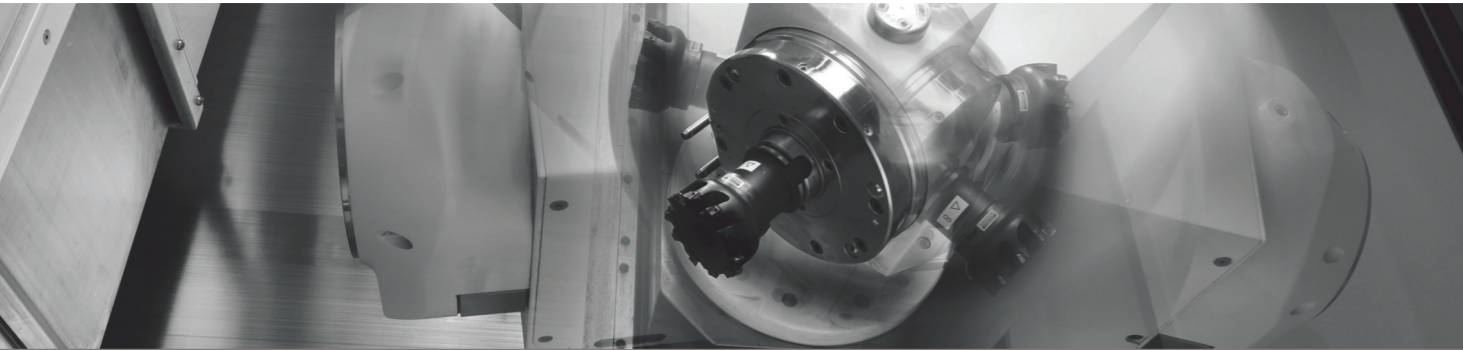


Integrex j

makes the step to multi-tasking easier.



Mazak is the pioneer of fully integrating turning and machining processes into one machine, leading to the true DONE-IN-ONE machine tool – the INTEGREX. With over 10,000 INTEGREX machines already installed throughout the world Mazak has become the market leader in this area of machining technology.

Now, with the unveiling of the INTEGREX j series, Mazak is further expanding the scope of DONE-IN-ONE to include those sub-contractors who may have viewed multi-tasking machines as expensive, difficult to operate, complicated to programme, and having features that they will just not use. INTEGREX j addresses all of these concerns and delivers a machine series that will provide the first step to multi-tasking machining for thousands of small to medium sized subcontracting companies.

“INTEGREX’s versatility helps it to reduce investment costs, lower overheads and generate first off components quicker and easier than could be achieved conventionally,” says Richard Smith, Yamazaki Mazak’s Group Product Director Europe. “With the INTEGREX j series Mazak has listened to what the market was telling us and created a simplified multi-tasking machine tool at a surprisingly affordable level of investment. Done-in-one machining technology is now accessible for any company, irrespective of size, and they can start manufacturing parts faster, more efficiently and more profitably.”

One of the key advantages of INTEGREX machines is their ability to economically produce the smallest of batch sizes, adding flexibility to any machine shop and providing resistance to economic downturns. INTEGREX j series machines are no different in that respect. Typically INTEGREX j customers can reduce the time to machine the first off component by 64 per cent, when compared to using CNC turning and machining centres to machine the same part.

To achieve this INTEGREX j series machines maintain many features familiar to existing INTEGREX machine users, such as the B-axis milling/turning spindle and tool carousel with 20 tools as standard (36/72 as an option). INTEGREX j also makes full use of the Mazatrol MATRIX control system. This control simplifies the most

complex of programming tasks through use of the intuitive Mazatrol conversational programming techniques. When compared to ISO programming the Mazatrol system typically reduces the number of lines of code by 89 per cent.

The INTEGREX j series is being unveiled from June 2010 with the INTEGREX j-200 being shown at numerous locations around Europe. This particular machine features a milling (B-axis) 12 000 revs/min (7.5 kW/49 Nm) spindle with; a main 5000 revs/min (11 kW and 161 Nm) spindle; feedrates of 40 m/min; X-axis stroke of 450 mm with 50 mm of that below the centerline; and a Y-axis stroke of 200 mm giving +/- 100 either side of the centerline; Z-axis movement is 550 mm. The B-axis fitted to INTEGREX j series machines has 220 degrees of movement in five degree increments, facing the chuck it can position at 30 degree above the machine’s central axis and facing away from the chuck it can achieve 10 degrees.

With a 200 mm chuck and a 500 mm maximum machining diameter INTEGREX j-200 has a machining capacity that belies the fact that the floorspace requirement is only 3 m by 2.43 m, which when compared to using conventional turning and machining centres to produce the same work is a reduction of 56 per cent.

INTEGREX j series machines pave the way for more sub-contractors to make the step to multi-tasking machining.



PRODUCTIVITY

Introducing the new INTEGREX j series.

Winning in the recovery is about competitive edge and manufacturers need to produce a wide variety of parts, cost effectively with significantly reduced production lead time. The INTEGREX multi-tasking machine series is widely recognised as the answer to this need.

Mazak was the first to fully integrate turning and machining processes into one machine, true DONE-IN-ONE machining, and today INTEGREX is the clear market leader. Reduced investment, lower overhead and faster setup are just some of the benefits that help to increase productivity and profitability – making INTEGREX resistant to economic downturns and completely flexible in meeting the needs of your business.

If you imagined multi-tasking complicated to program, difficult to operate or too expensive then think again. The arrival of the new INTEGREX j series redefines and simplifies multi-tasking at a surprisingly affordable level of investment.

The new INTEGREX j is the INTEGREX for every machine shop, so if you are thinking about turning and machining for a variety of parts, why not consider multi-tasking instead? It’s faster, easier, more productive and more affordable than ever before.



The **INTEGREX j-300** is a multi-tasking machine tool designed to provide you with maximum value in every department.

Mazak
Your Partner for Innovation