

HEAT EXCHANGER Manufacturers



Inside...

*Quickmill introduces NEW Intimidator
Modular Gantry Machines!*

NEW QUICKSTACK Condenser drilling system!

Saudi company revisited 2 years later!

PREPARE FOR PRODUCTIVITY

NEW INTIMIDATOR MODULAR GANTRY

"We introduced the Modular Gantry in 2008 and it has proven to be a hit with customers needing over a 120" or 3.4 meter wide machine for their parts"

*Gord Buchholz,
Sales Director*



Intimidator Gantry 168-245-24



Quickmill's New Hydraulic Pressure Foot System

NEW QUICKSTACK PRESSURE FOOT SYSTEM

"This turn key application for drilling of condenser plates was developed by our Technical Director Dave Piggott after working with a current customer in the Middle East Region."

"Condenser baffle plates can now be processed with the latest carbide tooling!"

*Prakash Naganath,
Regional Sales Manager - Middle East*

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QUICKMILL®

Much more than a machine.

New Larger INTIMIDATOR® Gantry

Quickmill has introduced a new expanded line of larger table sizes to our popular Intimidator product line. With a requirement from current long time customers to drill large Heat Exchanger plates we developed a line of large table Intimidator series machines.

INTIMIDATOR Gantry Specifications

Control:	Fanuc 31i CNC System
Features:	Tandem X Axis Drives Heidenhain Linear Scales Machine Enclosure
Sizes:	Y Axis = 36" (914mm) to 200" (5080mm) X Axis = 173" (4394mm) to 817" (20752mm) Gap = 24" (610mm) to 36" (914mm)
Spindle:	75hp (56 kw) Direct Drive Ram Spindle 4,000 rpm, CAT 50 Taper
Stroke:	30" (762mm) Z Axis Stroke
Options:	High Pressure Through Spindle Coolant Mist Collector Probes Dual Chip Conveyor System Quickscan Laser Scanner System Quickstack Pressure Foot System Application and Tooling Training Full Turnkey Solutions

The new product line allows Quickmill to build the machines in table sizes from 36" (914mm) wide up to 200" (5080mm) wide and more. The X axis can be offered from 173" (4394mm) to 817" (20752mm) in a modular design.

Our customers can have the same operational features, functions, and spindle as their current Intimidator machines and have the flexibility of larger machine sizes.

With the addition of the new Intimidator unit the learning curves are zero as all production run across the new machine utilizes the same tooling, set up and process as other Intimidator machines.



Intimidator Gantry 144-173-30

DRILLING 70% FASTER WITH QUICKMILL!

Olayan Descon was established in 1981 as a joint venture between Olayan Saudi Holding Co and Descon Engineering Co to leverage their combined and rich experience in financial and engineering backgrounds to position itself as a leading integrated engineering services company. With over 2500 competent personnel, the company is a well known EPC contractor and an Operation & Maintenance Services Co for oil & gas, refineries, chemical, cement and petrochemical plants in the Arabian Gulf region.

Pir Muhammad Tayyab, a Mechanical Engineer has been the head of manufacturing for the past seven years at the Saudi Arabian facility. Olayan processes over 8000 tons of steel annually to produce pressure vessels, reactors, columns, heat exchangers and other equipment used in the petrochemical industry.

In 2007 Olayan took delivery of a new Intimidator 2.5x2.5 meter drilling and milling machine to produce tubesheets and baffle plates for heat exchangers. The key features they looked for in a machine was to get a solution from a company that could teach them all about modern drilling practices as they were currently using radial drills with all manual operations.

Turning to Quickmill they found they were offered efficiency, quality, reliability and a proven track record for making companies successful with their equipment. After installation, Quickmill's VP & Technical Director David Figgott personally traveled to our facility to train our staff on tooling, set up & application of the machine to produce tubesheets & baffles. This service saved many months of trial and error to learn all about how to apply tooling to a machine and reduced costs immediately.

*"Our 2 year old
Intimidator 96 is
STILL faster than the
competition!"*
Pir Muhammad Tayyab

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New QUICKSTACK Condenser Drilling System

When Technical Director Dave Piggott gets hold of an idea, he won't let go! This is what happened recently when Dave was working on a tube sheet & stack baffle drilling process with a current customer.

Dave spent a few weeks and two trips to finish a turn key application for drilling of condenser plates in the Middle East Region. After giving a simple and effective solution to our customer, Dave returned to Quickmill and immediately thought, "how can I make this solution even better."

Dave's new solution turned into what we call our QUICKSTACK SYSTEM and here is how it works. A hydraulic pressure foot was designed and added to one of our standard Intimidator machines. The foot moves up & down on the part every cycle before the drilling starts.

The foot pushes down and stabilizes the drilling area and the part during the drill cycle. This allows the gap between the plates to be virtually eliminated during the drilling process and to ensure maximum part rigidity with a quick set up.

The other most important part of the processing system is the Support Pin Fixture (Pat Pending) Dave designed specifically to fit on any Quickmill machine for maximum part support and rigidity during the drilling process.

With the entire QUICKSTACK SYSTEM in place and with proper tooling recommended by Quickmill, the processing of tube sheet & baffle plates can now be processed with the latest carbide tooling in the most efficient and cost effective way on the market today.



Intimidator 120.120.24 Machine with Pressure Foot Mounted



Quickmill's New Hydraulic Pressure Foot

DRILLING 70% FASTER WITH QUICKMILL!

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We currently are running production on the machine 70% faster than we previously could using many radial drills in the factory. Our operators are so comfortable with the machine during drilling that they can attend to other work while the machine is drilling and not have to constantly be at the control. Since the installation in March of 2007 the machine has been very reliable and when we do call for service we get a prompt response and fix to our problems. The well illustrated manuals and engineering documentation for the equipment allows us to reduce downtime and make repairs quick and efficient.

Currently with the economic situation we have no need for any additional equipment of this type. When things start to turn around we will sure look to Quickmill to help us and guide us for our next machine purchase. One thing you need to understand when dealing with Quickmill, they are like a member of your own team, they are always available to provide services and I have found them to be most helpful to resolve any problems that arise.



From Left to Right: Ali Imran, Pir Muhammad Tayyab, Yaseen Meher, Afshen Haider

Pir Muhammad Tayyab, Head of Manufacturing, Olayan Descon Engineering

QUICKMILL

Much more than a machine.

HOLE MAKING SOLUTIONS!

Quickmill's Tooling & Applications Group

Value Added Services:

- Tooling Certificates
- Time Studies
- Tooling Set Up Kits
- Quicksqueeze Baffle Clamp Kits
- Quicksupport Tubesheet Support Kits
- Tooling Training
- Applications Training
- Mastercam Parts Programming
- Tooling Recommendations
- Fixture Design



Tooling Recommendations

Mastercam Parts Programming

MUCH MORE THAN A MACHINE

With the addition of full time tooling and applications specialists over the last few years, Quickmill has positioned itself as **"MUCH MORE THAN A MACHINE"**.

We have shifted our focus from just building a machine for our customers, to providing a full turn key solution to our customers drilling and milling needs! With our variety of kits and additional value added services, we can confidently provide our customers with a solution that will have them making chips within a very short period of time and avoid long learning curves.

What our customers are saying about our Tooling And Applications Team!



From Left to Right: V.O. Lucase, Shine Antony, Mohamed Shafuddin, S. Pramod, Suresh Rengasamy, Joho Bosco, Rajesh Kumar

"Quickmill installed the first machine and then sent Technical Director Dave Piggott & Chason Thompson Application & Tooling Specialist to ABJ in order to train the staff at ABJ on the proper set up and machining of the Tube & Baffle plates ready for production on the new Intimidator."

"Dave and Chason worked long hours and over a period of a few months and two return visits had our company successfully drilling plates faster than any other shop in the region utilizing Quickmill's stack drilling solution."

George Lahoud
Operations Manager
ABJ Engineering & Contracting Company

QUICKMILL

Much more than a machine.



A Batiboi Group Company