

# YOUR ONE STOP SHOP FOR CNC EQUIPMENT, ROBOTICS, AND CUTTING TOOLS

ENHANCE PRODUCTIVITY WITH HIGH PRECISION SOLUTIONS FROM SOURCE ATLANTIC

**SMX 5100LS**



SMX 5100LS series is large capacity, (up to 4 meter maximum turning length), multi-tasking turning centers equipped with high power/torque spindles and wide machining areas. The machines are ideal for the complex mill-turn machining of long and large-diameter workpieces typically found in the oil and gas, aerospace, large automotive sectors.

- Complex Machining capabilities of left spindle, right spindle, B-axis, milling spindle
- Built-in spindle/high torque big bore spindle can be selected according to customer's machining conditions and needs
- High-rigidity machine construction using structural analysis design
- Maximized Y-axis machining area through orthogonal design structure
- Side-to-Side movable swiveling operation panel with adjustable height



Scan to see a video  
on the DN Solutions  
SMX 5100LS

**Our machine and tooling line up to get your projects done in 2023**

## Getting Jobs Done Faster

All over the world, the DNM Series is a fully featured staple of the DN Solutions product line. The remarkably wide range and compact footprint of these productive vertical machining centers guarantees one thing: you'll easily find the right DNM for your shop. Most builders sell add-on features as costly options. Not DN Solutions. In the DNM Series, some of the many features built into the purchase price include:

- FANUC 0i Plus control with iHMI touchscreen
- Easy Operation Package (EOP) for FANUC control
- Pre-wired for Renishaw tool setting probes
- Dual screw chip augers
- Through-spindle coolant



Scan to see a video on the DN Solutions DNM 5700S



## Lynx 2100 Series

## Rely On Your Machine

The next generation of the Lynx Series, currently with more than 25000 sales worldwide – aims to deliver even greater customer satisfaction with its superior machining performance, reliability, and user convenience. Equipped with a 15kW (20.1Hp) high-power motor and machine structure, and further enhanced spindle and axis ball screw stiffness.



Scan to see a video on the DN Solutions Lynx 2100 Series



## Industrial Robotic Experts

Automation industry leader, FANUC has more than 100 robot models and over 40 years experience in helping manufacturers achieve their production goals.

FANUC offers the widest range of industrial robots and cobots in the world with payloads ranging from 0.5 kg up to 2,300 kg and maximum reaches up to 4.7m.

FANUC's robotic machine tending solutions and software make it easy to connect your equipment and improve throughput and overall equipment effectiveness for most machine tending applications, including:

- Loading and unloading raw materials
- Transferring finished parts to post-processing
- Upstream and downstream assembly tasks
- Material handling

FANUC products are backed by production lifetime support.



Scan to see video on  
FANUC's robot product



## Kasto's Answer to Efficiency

The newly developed Kasto win series bandsaw achieves a cutting accuracy of  $\pm 0.1$  mm/100 mm cutting length, with cutting speeds of up to 150 m/min. The standard equipment ensures improved efficiency, the high cutting performance combined with quick set-up and optimal material handling reduce the costs.

- Effective use of material down to a 35 mm-long offcut
- New layout: the drive unit and sensor are separate from the working area – ensuring reliable and trouble-free operation.
- Quiet, energy-efficient, compact hydraulic power unit



Scan to see a video on the Kasto Win A 4.6

## Castrol® Hysol® MB 50



## HYSOL® The Next Step In Liquid Coolants

- Delivers consistent, high-quality finish for cutting and grinding across metals and operations
- A wide tolerance to water hardness helps avoid foaming and maintain production line cleanliness

Hysol® MB series are the best-selling, highest volume coolants sold by Castrol® due to their all-around performance and overall value. They are designed for multi-metal compatibility, excellent tramp oil rejection and outstanding bio-stability. The Hysol® MB series of products also form exceptionally stable emulsions, are clean running and have a very mild odor.

PRODUCT NAME	PERFORMANCE	TYPICAL PH RANGE 5% DILUTION	APPEARANCE	REFRACTOMETER FACTOR	MATERIAL SUITABILITY						
					CAST IRON	LOW-MEDIUM ALLOYED STEEL	HIGH ALLOYED STAINLESS STEEL	ALUMINUM	TITANIUM ALLOY	YELLOW METALS	MAGNESIUM ALLOYS
HYSOL MB 10	Light Duty	9.2-9.8	Translucent	2.0	Y	Y	C	C	C	C	N
HYSOL MB 20	Medium Duty	9.2-9.8	Translucent	1.7	Y	Y	Y	Y	C	C	N
HYSOL MB 50	Heavy Duty	9.5-9.9	Milky	1.0	C	Y	Y	Y	Y	C	C

Y = Suitable – varies by application (refer to PDS)

N = Not Suitable

C = Consult Castrol Representative prior to use



Scan to see a video on Castrol® Hysol® MB 50

## The Heavy Lifter You Need

The DN Solutions DVF series premium 5-axis vertical machining centers are built for high precision machining of complex parts. The optional table turning function provides the additional flexibility required to finish machine parts in one setting DN Solutions DVF 5-axis models, with their rigid travelling column design and fully integrated tables, are available in a range of sizes. They are ideal for machining everything from small high-precision medical parts through to large aerospace jet engine components. DVF machines are the ultimate simultaneous 5-axis machining centers.

- 2 axis rotary/tilt table – turning function
- 18000 r/min high speed spindle
- Compact foot print.



Scan to see a video on the DVF 8000T

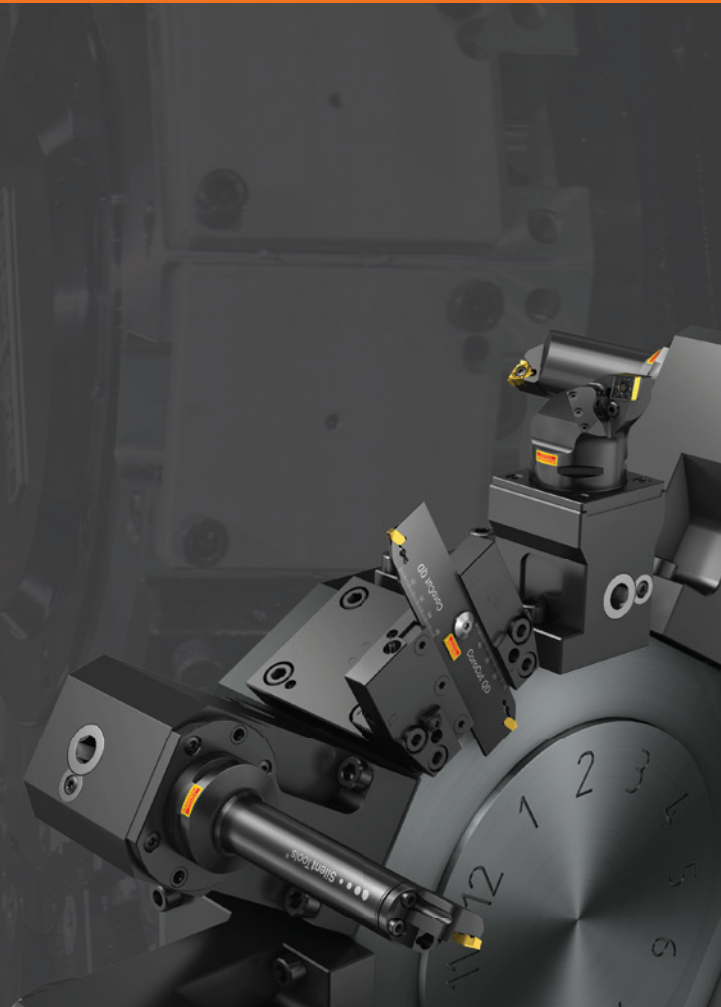
## Run Your Shop 24/7

The NHP Series is the product of world-class R+D and valuable customer feedback. The 1.3 second tool-to-tool change time and up to 1G acceleration in X, Y and Z make this a horizontal machining center with the speed you need to keep up with your customers' big demands.

- FANUC F31i-B5 Control
- 5 Simultaneously controlled axes (X,Y,Z,A,C) with high precision, absolute rotary encoders on A and C axes and absolute glass scales on XYZ axes.
- Spindle oil chiller



Scan to see a video on the NHP 5000 RPS



## Right From The Start With Sandvik Tooling

At Sandvik Coromant, we have a tool for each task, meaning that we can work with you to build a tooling package that will get your machine up and running on day one.

One of the core considerations to maximize the effect of a machine investment is new technology and tooling.

Here are just a few examples of the tooling solutions and technology that you may want to consider.

### Coromant Capto®

works in all machine types:

- Turning centers: quick change and high-pressure coolant delivery.
- Multi-task machines and machining centers: rotating spindle interface, modular tooling, and quick change.
- Available in six sizes, there is a flexible Coromant Capto® solution for every need: C3-C10, Diameters: 32, 40, 50, 63, 80 and 100.
- Minimized tool inventory
- Reduced set-up time



Scan to see a video on the Coromant Capto®



## Sharp End Mills Slash Through Steel

With a rake angle of 12°, the RF 100 Sharp carbide end mill cuts easily through all soft, tough, and high-alloyed materials.

Tool pressure and cutting forces are significantly reduced, enabling reliable machining of materials with a tensile strength of 43,000 - 130,000 psi and high ductility. These include free machining steels, stainless steels as well as tough special alloys and higher-strength aluminum alloys.



Scan to see a video on the Guhring RF 100 Sharp

- Tough carbide prevents tool breakage – even under very unstable conditions
- ALCrN coating provides optimum wear protection at all cutting speeds
- Optimized facet grinding dampens vibrations and increases tool life



## Meet the Team

Our team has the capabilities to supply, service, and solve all your metalworking needs.

### Alberta



**Scott Jensen**  
Cutting Tools  
Manager



**Steve Greenslade**  
Machine  
Tool Sales  
Northern Alberta



**Doug Criss**  
Cutting Tools  
Technical Specialist  
Northern Alberta



**Keith Rude**  
Machine Tool Sales  
Southern Alberta

### Manitoba & Saskatchewan



**Ron Myall**  
Machining  
Manager



**Mark Perry**  
Machine  
Tool Sales  
Manitoba and  
Saskatchewan



**Sandeep Chopade**  
Cutting Tools  
Specialist  
Alberta

**Yes! I am ready to connect with a metalworking specialist!** [info@sourceatlantic.ca](mailto:info@sourceatlantic.ca)



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**DN SOLUTIONS**

**GUHRING**

## Western Branch Locations

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### Calgary

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### Saskatoon

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### Regina

841 Roulston St.  
(306) 721-6442

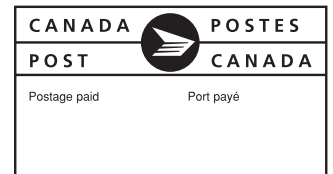
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FASTENERSABRASIVESSAFETYAPPAREL&SUPPLIES  
MATERIALHANDLINGINVENTORYSOLUTIONS

F A B R I C A T I O N S U P P L I E S