

**ymt**  
TECHNOLOGIES





# Flexible 5 Axis Machining Centres



## Perfection In Machining

For over 50 years, Hedelius have set the standard in mechanical engineering in Germany. Their vertical machining centres are valued for their high precision, efficiency and reliability.

Established in 1967 and situated in Meppen, North West Germany, Hedelius Maschinenfabrik design and build high performance vertical spindle moving column 3, 4 and 5 axis machining centres in pendulum and combination designs. Renowned for precision and reliability, each Hedelius CNC machine tool is produced in house at their 12,000 m<sup>2</sup> state of the art facility.

**All machines embody one basic principle, they should all be completely orientated upon the requirements of the customer.**



**F Series**  
3 and 4 axis machining



**T Series**  
Pivoting spindle 4/5 axis machining



**Acura Series**  
Rotary table 5 axis machining



**RS Series**  
Rotary table 5 axis machining

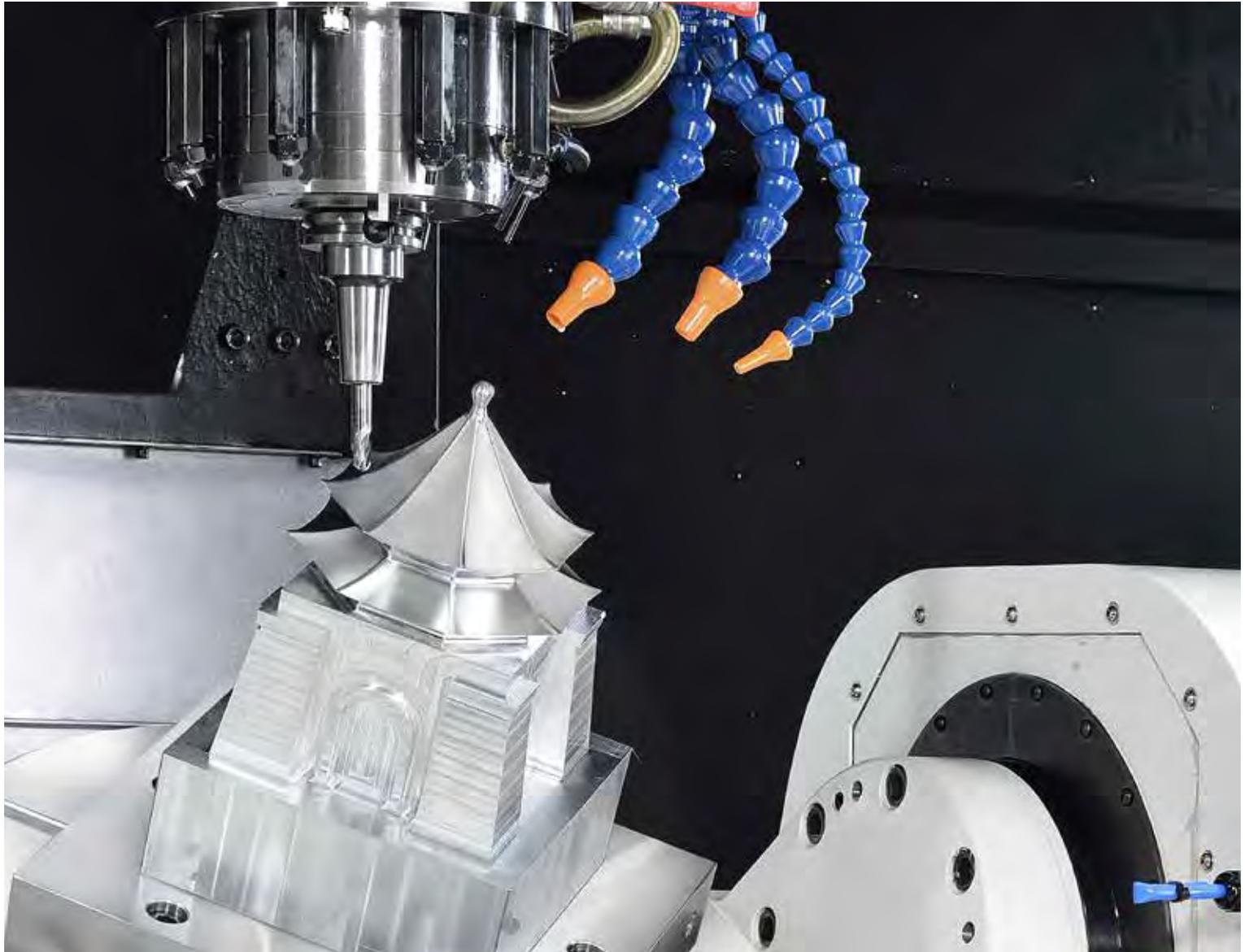


**C Series**  
3 and 4 axis machining





# High Performance Machining Centres



## In Pursuit Of Excellence

Always improving and refining. Founded in 1954 and operating from their 165,000 m<sup>2</sup> purpose built facility, YCM are the leading machine tool manufacturer in Taiwan. Recognised worldwide for superior precision, outstanding reliability and exceptional rigidity, YCM design and manufacture advanced vertical, horizontal and 5 axis machining centres to suit a variety of complex workpiece types. Their specialist foundry produces rigid Meehanite casting iron on which all their machining centres are built. With more than 50 locations worldwide, YCM proudly offer a comprehensive sales and support network.

**Every YCM machining centre is built on the company core values of quality, technology, service and reliability.**



**NXV Series**  
High performance



**NSV Series**  
Ultra high speed



**NMV Series**  
High rigidity



**NFX Series**  
5 Axis super precision



**NTV Series**  
Heavy duty



**NH Series**  
Horizontal



**DCV Series**  
Double column



**YCM**

# Automation Systems



## Optimising Manufacturing

Established in 1970 as a small tool and mold making business, Erowa are now a globally operating organisation specialising in the development, production, consultation and distribution of modern manufacturing technology.

1983 saw the presentation of their first robot for automatic loading/unloading of workpieces and electrodes. These initial products have undergone consistent development to create the universal product range we see today.

Keeping their four step manufacturing concept (FMC) at the heart of all they do.

**Tooling systems, automation systems and process control software for the entire metal cutting industry.**



**Leonardo**  
Multi level robot  
Single or twin machine operation



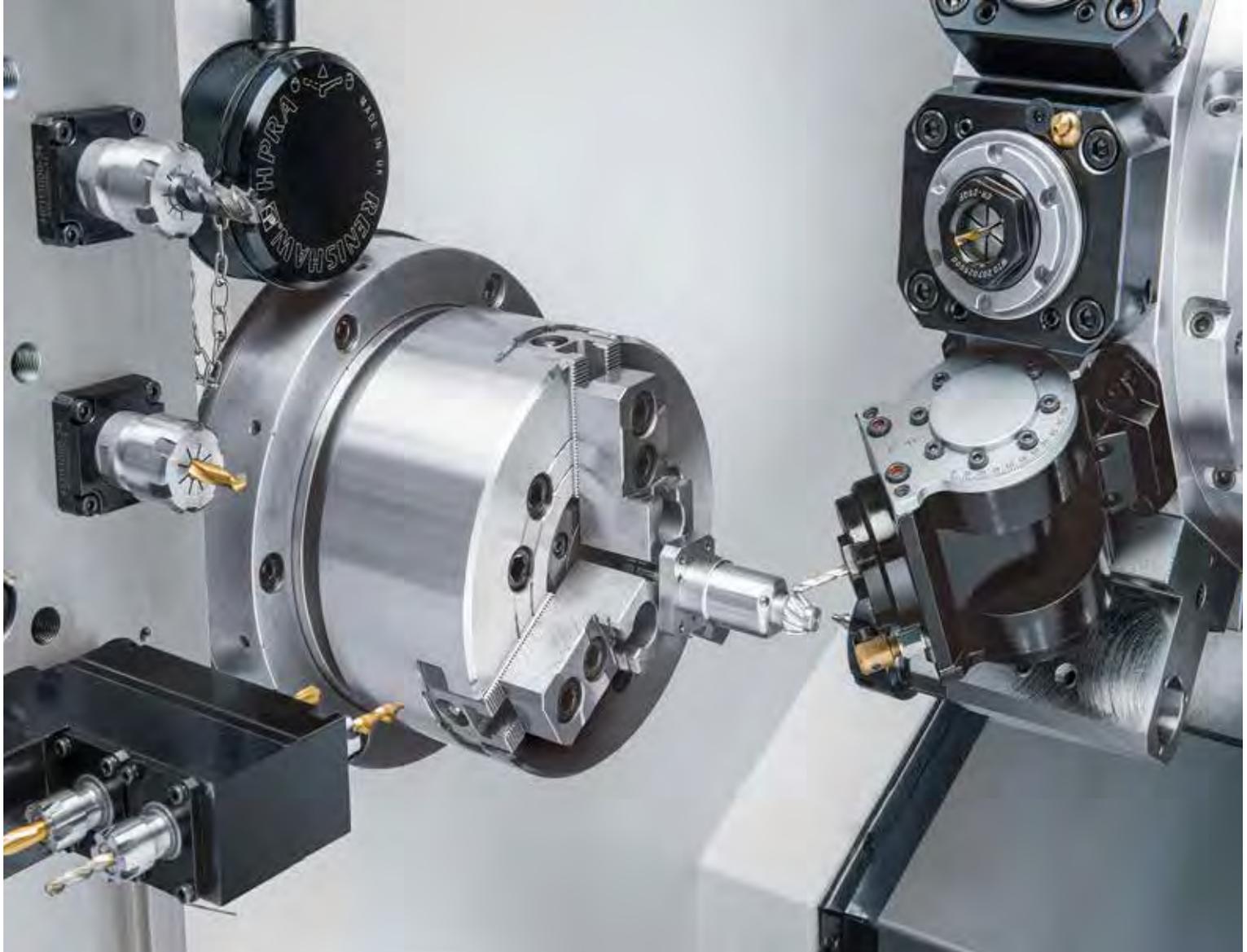
**ERC Compact**  
Compact footprint versatile robot  
Single or twin machine operation



**Robot Dynamic ERD250**  
Feeds up to 8 machines  
Up to 1200 magazine positions



# High Precision Turning Centres



## Ultimate Machining Power

Established in 1975, Goodway are the largest and most advanced manufacturer in Taiwan specialising in the development and manufacture of multi tasking CNC turning centres. With over 40 years experience, quality and value, they offer one of the most extensive lines in the market today. With 5 operation centres in Taiwan, mainland China and the United States, Goodway offer consistent global distribution and quality customer service. Their multi axis turning centres include horizontal, vertical, twin spindle, twin turret and sliding head technology.

**Committed to delivering prompt service, expert technical knowledge and value solutions to any turning application.**





**GA Series**  
Heavy duty single spindle



**GLS Series**  
High speed multi axis plus sub spindle



**GS Series**  
Heavy duty multi axis plus sub spindle



**GTS Series**  
Twin spindle twin turret



**SW Series**  
Sliding head



**GV Series**  
Vertical turning





# Acura 65

## 5 Axis Machining Centre



### Showroom Machine Specification

Control system	Heidenhain TNC640
XYZ travel	700 x 650/465 x 600 mm
Spindle swivel range	+ 30° to - 115° x +/- 360°
Clamping area indexing table	650 x 540 mm
Spindle taper	HSK 63A
Spindle speed	18,000 rpm
Spindle power	35 kW
Number of tools	65 stations

### Fitted Options

5 axis simultaneous machining	3D mould and die adaption
Kinematics opt	Hand control unit
Z axis accuracy package	Internal compressed air supply
Slantbed paperfilter system 900 ltrs	Internal coolant supply line 25 bar
Preliminary filter slantbed paperfilter	Blasting pistol
Wash gun	Infrared receiver M&H 91.40
3D infrared probe M&H 25.50	Laser light barrier c/w reference tool
Slat bed chip conveyor	Extended connection lines
Chip rinsing device	Electrostatic extraction filter



**Showroom Machine Specification**

Control system	Heidenhain TNC640
XYZ travel	700 x 520 x 480 mm
XYZ rapid feed rate	36/36/24 m/min
Integrated rotary table	380 mm dia
Max table rotation speed	33 rpm
Spindle speed	12,000 rpm
Spindle power	22 kW
Number of tools	30 stations
Measuring system	Glass scales on X, Y and Z axis

**Fitted Options**

60 position BBT40 taper tool magazine	FSE swarf management system
Through spindle coolant	Blum TC50 infrared touch probe
Blum NTA2 tool setting laser probe	

**Showroom Machine Specification**

Control system	Heidenhain TNC640
XYZ travel	1020 x 520 x 540 mm
XYZ rapid feed rate	48/48/32 m/min
Table size	1120 x 520 mm
Spindle speed	12,000 rpm
Spindle power	16 kW
Number of tools	24 stations

**Fitted Options**

40 position BBT40 taper tool magazine	Scraper type swarf conveyor - rear exit
Roof shower coolant	5th axis rotary table interface (3 +2)
Detron GFA-210S H 5 axis rotary table	



### Showroom Machine Specification

Application	Milling
System	Transfer weight 80 kgs (120 kg option)
Magazine configuration	18 x MTS81 pallets 225 x 225 x 48 mm 25 x ITS pallets ø 148 mm
Workpiece dimensions	MTS81 pallet - 350 x 350 x 200 mm ITS pallet - 320 x 200 x 150 mm
Pallet to pallet time	45 sec
Gripper arm travel	X axis 1385 mm

### Fitted Options

Control touch panel	Operation with open loading station
RCS5 auto change gripper for MTS81 pallet	Loading station - 2 x MTS81 and 2 x ITS148 pallet
Manipulator for twin machine loading	Torque support for loading station
Interface cable to suit YCM machining centre	4 x shelves with 4 positions - MTS81 pallet
6 x MTS81 pallets - hard Z support	4 x shelves with 6 positions - ITS148 pallet
12 x ITS ø 148 pallets	Internal LED machine lighting

### Machine Options

- Power chuck P - ITS148 - rotary connection with 2 pneumatic supplies
- MTS81 base plate- rotary connection with 3 pneumatic supplies
- Interface to suit machine
- Auto door to suit machine



### Showroom Machine Specification

Control system	Fanuc Oi-TF 8.4 screen
Turret	12 station driven tool
Chuck	10" 3 jaw power chuck A2-8 main spindle 8" chuck size A2-6 - sub spindle
Bar capacity	75 mm
Spindle	35 - 3,500 rpm
Spindle speed	12,000 rpm
Spindle power	11/15 kW belt driven
Max turning diameter	440 mm
Max turning length	710 mm

### Equipment

Upgraded spindle motor 15/18 kW	Upgraded bar capacity to 78 mm
Parts catcher	Parts conveyor
Dual pressure chucking control	Sub spindle with hydraulic cylinder
CF axis with disc brake on main spindle	CS axis with disc brake on sub spindle
Air blow for main spindle chuck	Air blow for sub spindle chuck
Coolant through sub spindle	Parts ejector for sub spindle
Y axis	High pressure coolant - 7 bar
Barfeed interface	Upgraded roller linear guideways
Upgraded swarf conveyor height	Coolant level switch

# Company Profile



YMT specialise in the supply and support of advanced CNC machining and turning centres and all aspects of workholding, tooling and accessories.

## **ESTABLISHED**

1981

## **BASED**

Yeovil, South West England  
Modern premises

## **CAPABILITIES**

Sales  
Distribution  
Service  
Application support  
Spare parts  
Workholding, tooling and accessories

## **MARKET SECTORS**

Aerospace  
Motorsport  
Medical  
Electronic  
Power generation

## **SHOWROOM**

Demonstration facilities  
Training facilities  
Machine preparation  
Parts facility  
Meeting rooms

## **EMPLOYEES**

40 employees covering our 6 divisions:-  
Sales  
Engineering including 8 field service engineers  
Parts  
Stores  
Accounts and administration

We pride ourselves on our customer focused approach and constant aim to provide high quality, affordable technology to our diverse customer base



Flexible Multi Axis Machining Centres



High Performance Machining Centres



High Precision Turning Centres



Automation systems



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