

**WD Hearn** MACHINE TOOLS  
ESTABLISHED 1937

## Company Presentation



CNC Machinery, Metrology  
Equipment and Tooling



# WD Hearn Offices

Cape Town • Johannesburg  
Durban • Port Elizabeth

## Distances

CPT to JHB 1400km  
CPT to Durban 1635km  
CPT to PE 750km  
JHB to Durban 580km  
JHB to PE 1060km  
PE to Durban 910km







**WD Hearn** MACHINE TOOLS  
ESTABLISHED 1937

## Company Information

**WD Hearn was established in 1937**

**First Leadwell CNC machining center sold in 1987**

**Over 1200 Leadwell's installed across the country**

**Outstanding service reputation in S.A**

**Skilled admin staff to handle imports & exports**

**Large stock holding of machine tools of all configurations**

**Four branches across South Africa**

**One of the top applications departments in S.A.**

**Highly-skilled service, sales and applications engineers**

**Purpose built in-house training rooms in CT and JHB**

**Huge molding service department**

WD Hearn is consistently up to date with the latest worldwide machine tool developments and current market trends. We also make a point of understanding all customers needs to ensure that professional and customer-specific advice is given.



# Cape Town: Head Office



**Ray Cooper**  
President



**Graeme Cooper**  
Managing Director



**Johan Neveling**  
Technical Director



- All WD Hearn operations are managed from here.
- Two premises in Cape Town 1200m<sup>2</sup> and 1400m<sup>2</sup>.
- Communication link to all our international principles.
- Sales and marketing support to our other branches.
- Spindle Refurbishment centre.
- Our sales team offers outstanding product knowledge and machining advice.
- Supply, installation and support of a huge variety of CNC Configurations and Technologies.
- For our customers who require temporary additional capacity WD Hearn runs a loan machines project.



# Johannesburg

## CNC Technology Center

- 700m<sup>2</sup> State of the art high-tech facility.
- Johannesburg's sales and service office.
- Drive motor and electronic testing facility.
- Large machine type experts.
- Large spare parts stock holding.
- CNC programming training facility.
- Showroom to display products and perform demos/simulations.
- Special events, exhibitions, presentations.
- Machine training for service engineers.
- Motor & drive service center, with a test bench for motor repair.



Marius Conradie  
JHB Sales Manager



**SIEMENS**  
CONTROL SPECIALISTS



# Durban

- Factory floor space: 500m<sup>2</sup>
- Edgcam/Sinutrain Cad Cam training facility.
- Fully operational sales office and accounts department.
- IMM group specialists.
- PLC Experts.
- Laser Cutting Expert.
- CNC Machining and Turning Centre stockholding here.
- Second-hand division.



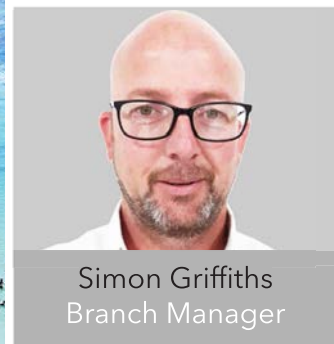
Myles Crosthwaite  
Branch Manager





# Port Elizabeth

- Large showroom and office space: 800m<sup>2</sup>
- Special purpose fixturing design
- GSK Specialists
- CNC Machine Service experts
- Stock holding spares
- CNC retrofit services
- Mechanical and Electrical service engineers
- Centrally located



Simon Griffiths  
Branch Manager





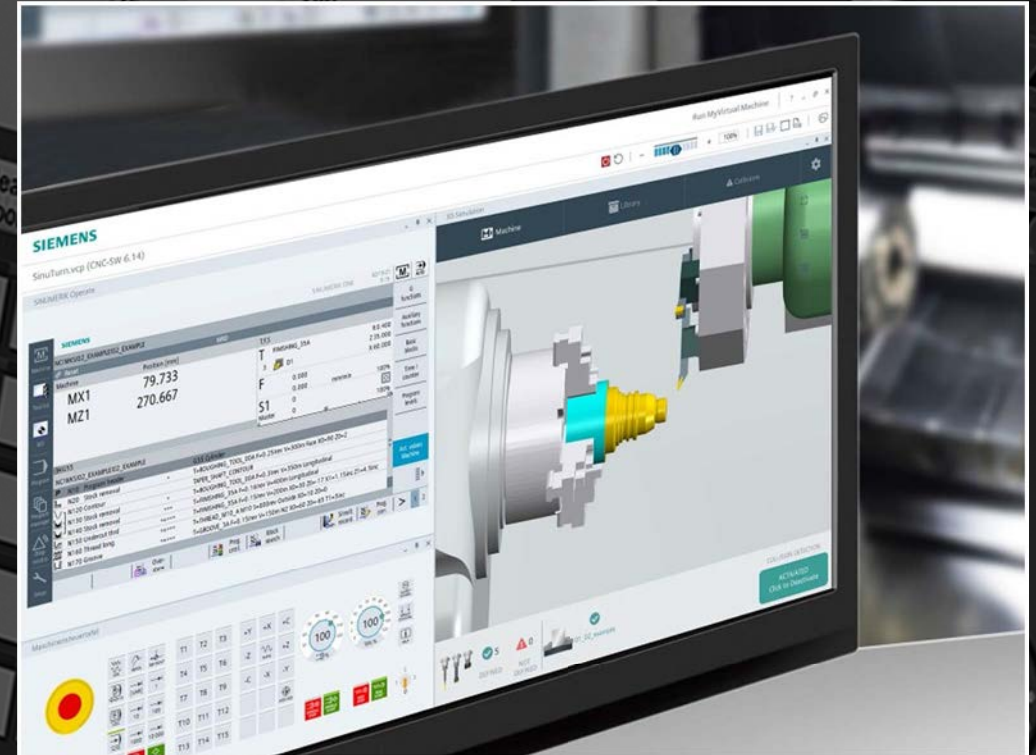
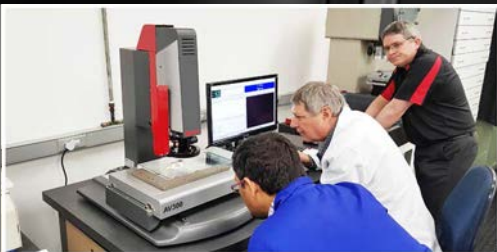
# Training

## Training Facility

- The growing demand for CNC Programmers/Operators/Setters has resulted in a demand for qualified training.
- Training facility was installed at our Cape Town premises in 2015.
- Specialising in CNC programming training.
- Equipped with Siemens Sinutrain for training on all Siemens control systems.
- Courses in Edgcam CAD CAM software as well as custom Fanuc training.

## Siemens Sinutrain

- SinuTrain from Siemens offers a hands-on solution for CNC training.
- SinuTrain allows you to expand your programming and operation expertise of the innovative numerical control features found in SINUMERIK.
- The intuitive, PC-based solution consists of control-identical software that is perfectly tailored to meet your needs.
- Beyond milling and turning SinuTrain offers a wide range of technologies.

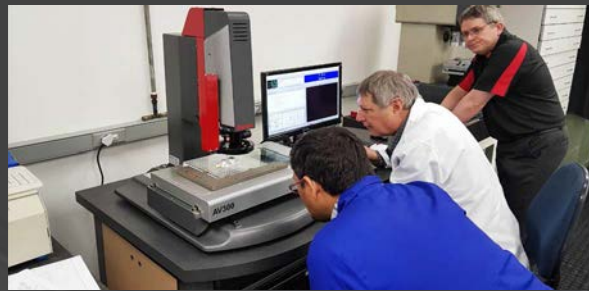




# Service Department

## Our Service Team

- WD Hearn has one of the largest and most highly skilled service departments in the country.
- We focus on sharing ownership of the installation of CNC machines into machine shops through the expertise of skilled technicians and application engineers.
- All of our engineers have been for product training at the machine tool builders facilities; Siemens Germany, Yushine, Flow Waterjet in the UK, and Leadwell and Sanco in Taiwan.



### Service Engineers employed

- Mechanical
- Electrical
- Applications

### Service offered

- CNC Retrofits
- Special purpose machine design and local build
- PLC: Writing & Programming
- Turn key projects: Programming, Fixtures

### Applications

- CNC Programming
- Cycle times
- Renishaw retrofits & system solutions



## SIEMENS

WD Hearn became an official Siemens partner in 2007 and since then have been handling the aftersales service on all our Siemens CNC controls, as well as stocking Siemens drives, controllers and motors in JHB and Cape Town.



## Ford Installation

In 2012 WD Hearn Machine Tools were responsible for the installation of 80 Horizontal Machining Centers into Ford, the largest engine plant in Southern Africa. The project is running triple shifts with more machines likely to be ordered in future.



We have extensive product knowledge within the WD Hearn group in both application and service and repair. For an outstanding reference list, please don't hesitate to contact your nearest branch.



# Applications



WD Hearn's application engineers' expertise and experience allows WD Hearn to offer tailor-made application solutions that no other machine tool company in South Africa can.

John Whitehead and Andre Enslin handle our applications in Port Elizabeth and Cape Town. Johan Neveling takes care of all Johannesburg and Durban's application requirements.

Training offered on a broad range of machine configurations, from C-axis Lathes to 5-axis Machining Centers, to Swiss Type Turning and Horizontal Machining Centers. We also offer training on all popular CNC Control Types and a variety of CAD/CAM systems.



## Turn Key Projects

WD Hearn offers a broad range of fully designed & delivered turnkey solutions to fit any production or jobshop requirements. Our solutions come complete with extremely accurate cycle times and advice on the correct equipment to purchase.



## Remote Programming Assistance

WD Hearn offers a broad range of fully designed & delivered turnkey solutions to fit any production or jobshop requirements. Our solutions come complete with extremely accurate cycle times and advice on the correct equipment to purchase.



# In-house Equipment

WD Hearn owns Renishaw probing/laser systems and software for machine accuracy testing, repairs and maintenance. Renishaw probes offer the highest precision and accuracy, while providing solutions for tool setting, broken tool detection, component set-up, in-cycle gauging and first-off inspection of parts, with automatic offset updates.



## Renishaw XL-80 Laser System

The XL-80 laser interferometer offers high-performance measurement and calibration for motion systems, including CMMs and machine tools.



## QC20-W ballbar

The QC20-W is used for assessment of machine tool positioning and servo control performance. features linear sensor and Bluetooth technology.

**Metrology Calibration kit | BT40, BT45 & BT50 Test Bar | Webber Bars | BT40 & BT50 Concentricity Test Gauge  
PBL5-502 Precision block level | Parallel Test Bar | SPM Model BC100 Bearing Checker | Granite Square**



# International Supplier Visits

**CC Machinery**

TAIWAN

2011, 2012, 2013, 2014, 2015,  
2016, 2017, 2018

**Kitamura**

JAPAN

2015, 2016, 2017

**Leadwell**

TAIWAN

2010, 2011, 2012, 2013, 2014,  
2015, 2016, 2023

**Mitsubishi**

GERMANY

2014, 2015, 2016,  
2017, 2018

**Siemens**

GERMANY

2012, 2013, 2014, 2015, 2016,  
2018

**Renishaw**

UNITED KINGDOM

Annual Visits

 **Nakamura-Tome**

JAPAN

2023

 **EMO**

TRADE SHOW GERMANY

2011, 2013, 2015,  
2017, 2023

**JIMTOF**

TRADE SHOW JAPAN

2022

**CCMT**

TRADE SHOW CHINA

2024



**CONTROL**

TRADE FAIR GERMANY

2022



**TIMTOS**

TRADE SHOW TAIWAN

2007, 2009, 2011, 2013,  
2015, 2017, 2019, 2023





# Customers



SUPEREXCEL





# Agencies

**LEADWELL**<sup>®</sup>  
CNC MACHINES

**KITAMURA**<sup>®</sup>  
5-AXIS AND HORIZONTAL  
MACHINING CENTERS

**Nakamura-Tome**  
JAPANESE-BUILT  
MULTITASKING MACHINERY

**MITSUBISHI**<sup>®</sup>  
EDM/WEDM

**GLORYSTAR**  
FIBRE LASER MACHINES

**RENISHAW**<sup>®</sup>  
PROBING, CALIBRATION  
AND CMM EQUIPMENT

**TORNOS**  
SWISS MACHINE-TOOL  
MANUFACTURER

**sisma**  
LAZER WELDING AND  
LAZER ENGRAVING MACHINES

**NIKKEN**  
ROTARY TABLES, TOOL PRESETTERS,  
AND ANGLE HEADS

**FFG**  
FAIR FRIEND GROUP

**YSP**  
YU-SHINE  
VERTICAL TURNING MACHINES

**metrology**  
CMM SYSTEMS AND SOFTWARE

**Nikon**  
3D MEASURING SYSTEMS

**SIEMENS**  
CNC CONTROLS

**KD**  
KAIDA MACHINE TOOLS  
CNC FLAT BED LATHES  
& CENTER LATHES

**SANCO**  
HEAVY DUTY  
MACHINE TOOLS

**NPC**  
INJECTION MOULDING MACHINES

**Flow**  
WATER JET MACHINES

**GSM V CNC**  
VERTICAL MILLING MACHINES

**e-tech**  
GRINDING MACHINES

**SCANTECH**  
HANDHELD 3D LASER SCANNERS

**FERMAT**  
HORIZONTAL BORING AND  
MILLING MACHINES

**Starrett**<sup>®</sup>  
MEASUREMENT SYSTEMS

**Mahr**  
METROLOGY EQUIPMENT



# Agency Map



**Taiwan** Leadwell , Yu-Shine, SANCO, LK Machinery, GSM CNC, Kent | **Germany** Siemens, Mahr  
**England** Renishaw, LK Metrology, Nikken | **Japan** Mitsubishi, Kitamura, Nikon, Nakamura-Tome  
**Switzerland** Tornos | **China** DMTG | **Australia** ANCA | **Czech Republic** Fermat | **USA** Starrett, Flow



# CNC Controls

**SIEMENS**

**FANUC**

**MITSUBISHI ELECTRIC**

**SYNTEC**

**KITAMURA**  
Machining Challenges-Simplified

**HEIDENHAIN**

**GSK**



## Sinumerik

808D Advanced  
828D, 828D Basic  
840D sl

## Oi-Series

31i-MB  
Oi-MF  
Oi-TF

## Mitsubishi CNC

M70/700  
M800/M830W  
D-Cubes

## Syntec CNC

21MA

## Arumatik

Exclusive to  
Kitamura  
Machines

Most Machines  
come with Heidenhain  
iTNC 530 as optional.  
Other models:  
TNC 640, TNC 620,  
TNC 320, TNC 128

GSK 218M  
Milling/Drilling

GSK 983M  
Milling/Drilling

GSK 980MDc  
Milling/Drilling CNC



# LEADWELL

WD Hearn's best selling CNC Machines

## Vertical Machining Centers

3 Axis Linear Way+Box Way  
NV & MCV Series

### V-50L

Flagship VMC



## CNC Turning Centers

High Speed Linear Way  
T Series

### T-7A

High Speed, Powerful



5 Axis Linear Way  
VE, MU & BC Series

### V-40iT

Built in Trunnion Table



Heavy Duty Box Way  
LTC Series

### LTC-20DY

Heavy Duty Turret

### VMC Spindle Options

8000RPM Steel Bearing + Chiller | 18 000RPM DDS  
10000, 12000, and 15000RPM Ceramic Bearing Type  
ZF Gearbox option on Box Way | BBT40 Spindle std  
BT30/BT50 available on certain models

### Available on Leadwell Turning Centers **SMY**

**S** - Sub Spindle **M** - Milling (BMT and VDI turrets available)  
**Y** - Y-Axis (increases flexibility), \*LIVE TOOL TURRET\* - Driven Tooling





Machining Challenges-Simplified®

Highest precision Japanese-built Machines

### MyTrunnion 7G 5 Axis Machining Center

The Mytrunnions 7G is ideal for ultra-high precision simultaneous 5-axis machining.



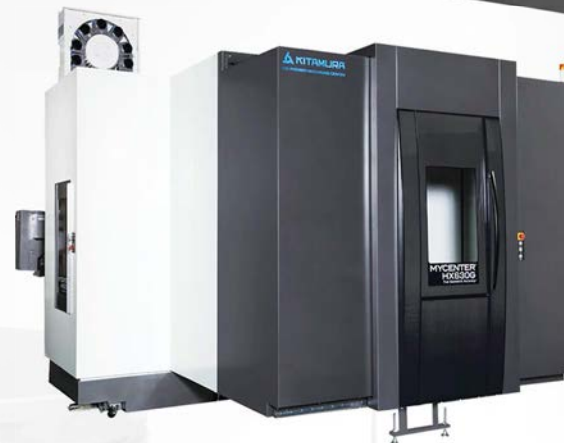
### Bridgecenter 8G Double Column Machining Center

Ideal for parts requiring heavier cutting loads. Excellent for Mold and Die applications.



### MyTrunnion 4G 5 Axis Machining Center

The Mytrunnion 4G is ideal for large capacity, high precision Aerospace applications.



### Mycenter Series Horizontal Machining Center

#### HX-250iG & HX-630G

Positioning Acc 0.000198cm  
Repeatability 0.000099cm

The world's fastest rapid feed rates of 60m/min.

All Kitamura machine parts are hand scraped before assembly.

Access Machine data from wherever you are using 'Anywhere Remote®' monitoring suite.

Kitamura's Arumatik-Mi CNC Control is offered as standard on all Kitamura machines.





## SC100X<sup>2</sup>

CNC Turning Center  
Single Turret

Born to be Fast!  
Single Turret.  
Milling and Y-axis  
are Standard.



## NTJ 100

Multi Tasking Turning Center  
Upper Turret with B Axis

B-axis Swiveling  
Range 182°.  
Upper and lower  
turrets have milling  
and Y-axes.

## AS200L

Multitasking Turning Center  
Single Turret

Y-axis, Milling Standard,  
Turning & Milling with  
full power.



## MX100

Multi Tasking Turning Center  
Opposed Twin-spindles

Tool Spindle, ATC  
and Lower-turret.  
CNC Multitasking  
Machine, Opposed  
Twin-spindles.



## NT Smart X CNC Control

- Easy, Fast and Accurate for Everyone
- 19 inch color LCD touchscreen panel

Thermal Growth Compensation is Done Easily  
and Accurately Using AI Analysis.

Programming time is drastically Reduced.





**FERMAT**  
Machinery

## WFT13

### Table Type Horizontal Boring Mill

Powerful and precise Milling, Coordinate Drilling, Boring, and Threading.

**Spindle Options**

V130 - 3400rpm (opt 4000rpm)

V150 - 3000rpm (opt 3500rpm)



## WRF 130/150 160/180

### Floor Type Horizontal Boring Mill

Ideal for powerful and precise machining of enormous, heavy workpieces. Largest model.

**Spindle Speed/diameter**

2800rpm/Dia 150mm (180)



**Massive Load Bearing**

Equipped with Floor Plates and Rotary Tables that can hold up to 100 metric tons!

## WFC10

### Table Type Horizontal Boring Mill

**Economical, Modern and Compact!**

Ideal for serial production of up to 5 tons workpieces.

**Spindle diameter / speed**

100mm / 4000rpm (opt. 5000)



## Fermat Built Milling Heads

### UHA mi 30

Universal Automatic Micro Indexing Head

### PHA mi 60

Right Angle Automatic Micro Indexing Head





## VL2500 ATC+C

Vertical Boring Mill

\*RAM TYPE\*



Automatic Tool Changer  
and C Axis  
2800mm Turning Diameter  
Spindle torque of 46000Nm

## VL850R

Vertical Turning Center

\*TURRET TYPE\*



15000 Spindle  
X/Y Axis Travel 500/800mm  
Max Cutting Height 750mm

## VL1200 ATC+C

Vertical Boring Mill

\*RAM TYPE\*



Automatic Tool Changer  
and C Axis  
Table Load/Dia 5000kg/1250mm  
X/Z Axis Travels 1000/900mm



# SANCO

Taiwanese Heavy Duty Machine Tool Manufacturer

## SVW4222

Double Column Bridge  
Type CNC

3 Axes with Linear Guide Ways



### B Axis Mini. Increment

0.001° Automatic, 4 positions (90°)

### Maximum Loading Capacity

7 tons

### Bed Size

3.8 x 1.8 x 1.8m

## SHM13040R

Horizontal Boring Mill

Extendable Spindle  
German Precision Spindle



### X/Y/Z Axis Travels

1500 / 1600 (Opt 1180) / 1200mm

### Maximum Loading Capacity

3 tons

### Gear Box Driven Spindle

4000rpm (Opt 6000)

## SHM800L

Horizontal Table Type  
Boring Mill

3 Axes with Linear Guide Ways



### X/Y/Z Axis Travels

4200 / 2100 / 800mm (opt 100)

### Massive Loading Capacity

14 tons

### Gear Box Driven Spindle

6000rpm





Based in Taiwan, CC Machinery is one of the world's leading manufacturers of Swiss Type CNC Lathes, Auto Lathes and Bench Lathes.

## SY2-42E

### Double Spindle Lathe

Main and sub-spindle with C-axis contouring capabilities.

Machining with or without Guide Bush



**Spindle Speed**

6000rpm

**Max Bar Capacity**

42mm

## CDS-42

### Double Spindle Lathe

Two Independent Gang Tool Slides

6000rpm 7.5kW built-in spindles with C-Axes. Double X-Axis Tool Slides



**Turning Diameter**

42/52mm

**X/Z Axes Rapids**

30m/min

## CB-36M

### Sliding Head Lathe

Complicated parts machining.

Twin spindle with driven tooling. Y-Axis spindle reducing time and cost.



**Bar Capacity**

32/36mm

**X/Y/Z Rapid traverse**

30m/min



# TORNOS

Tornos is a world market leading Swiss Type Machine Tool Manufacturer, producing parts requiring the most extreme precision and quality available.

## SwissNano 10

Swiss Type Turning Center

**The micro and nano precision specialist**

40% higher productivity increases profit.

Highest precision Turning center on the market.

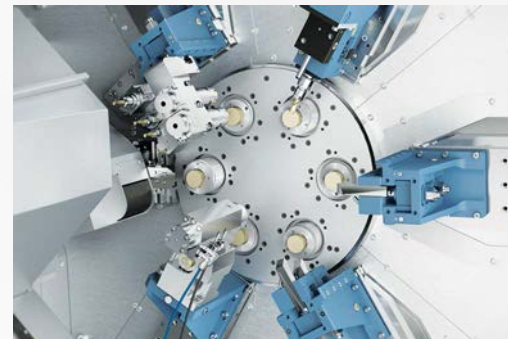


## MultiSwiss 6x32

Swiss Type Turning Center

**32mm, 20Nm, Perfect for large diameters**

6 independent spindles, can turn bars up to 32mm in diameter. 3 Y axes as option. 11Kw motor, 19 Nm of torque.



## Swiss GT13

Swiss Type Turning Center

**Complete package, great price. Simple and ergonomic.**

Operation with/without guide bush, B axis, Simultaneous 5-axis machining option.

## Swiss DT26 HP

Swiss Type Turning Center

**One of the most flexible solutions from Tornos.**

15min guide bush conversion. Available with 5/6 Linear Axes. Plug and play B axis as option.





# GLORYSTAR

## CNC Fibre Laser Cutting Machines

### GS Series

Fibre Laser Sheet Metal  
Cutting Machine

Size: 3x1.5m



1-6kW

Open Type | Single Table

### GS-C Series

Fibre Laser Sheet Metal  
Cutting Machine

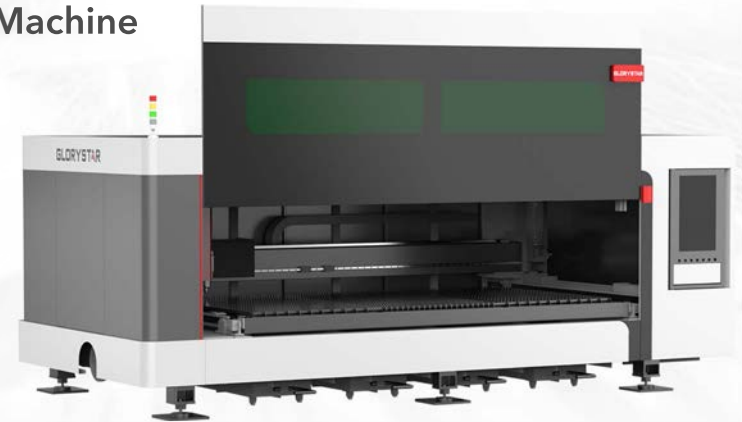
Sizes:

3x1.5m

4x2m

6x2m

6x2.5m



1-40kW

Enclosed | Single Table

### GS-CE Series

Fibre Laser Sheet Metal  
Cutting Machine

Sizes:

3x1.5m

4x2m

6x2m

6x2.5m



1-40kW

Enclosed | Exchange Table

### GS-CEG Series

Sheet and Tube Combined  
Laser Cutting Machine

Sizes:

3x1.5m

4x2m



1-12kW

Enclosed | Exchange Table



# GLORYSTAR

## Laser Welding Machines and Fibre Marking Lasers



### GS-FM Series Fibre Marking Laser

Designed for permanent marking of metals. High marking speed and accuracy, low operating cost, and simple operation.

#### Marking Area

100x100 | 200x200 | 300x300mm

#### Laser Power

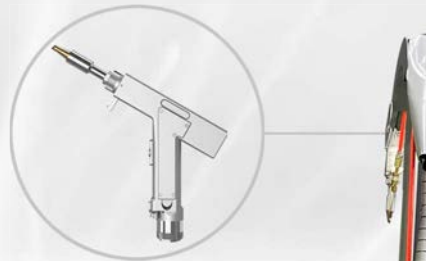
20, 30 or 50W

#### Marking Speed

7000mm/s

#### Dimensions

74x115x150cm



### GW-H Series Handheld Laser Welding Machine

Simple design, Easy to operate. Highly flexible and Convenient. High speed and accuracy minimises the need for post-weld grinding.

#### Laser power

1-2kW

#### Laser wave length

1070um

#### Focusing focal length

100mm

#### Wire feeding speed

17m/min



## EDM & WEDM

### MV2400S

Wire-cut EDM Machine

Largest MV Series model

Auto Wire Threading and Tubular Motor System



### MX600 ADVANCE TUBULAR

Wire-cut EDM Machine - Oil Based -

Only wire cut machine that uses oil as the dielectric medium



### SG12S

Spark Erosion EDM

Offering a wide range of unique erosion options.

Rock solid machine base  
C-Axis | Z-Axis Drive unit



### START 43C

EDM Hole Drilling Machine

Perfect complement to Mitsubishi Electric wire-cutting systems.

10 year quality and accuracy gaurantee!

All Mitsubishi MV, MX and SG Series machines come with Mitubishi's state-of-the-art M800 D-Cubes Control

### M800 D-CUBES CONTROL

All Mitsubishi MV, MX and SG Series machines come with Mitubishi's state-of-the-art M800 D-Cubes Control

19" Smartphone-like intuitive touch screen operation





# Flow

## WATERJET

### MACH 500



### MACH 100

Entry level waterjet giving you the fundamental versatility of waterjet cutting with no frills.

### MACH 200

No-nonsense waterjet - efficient and practical. Advanced Flow technology in a small package. Ideal for **STONE CUTTING** with **PIVOT+** head.

### MACH 500

Top of the range, unmatched in accuracy and speed, making it the most productive solution.

## Flow Cutting Head Options



### MACH 200





# Metrology Department

WD Hearn's Metrology department has grown massively over the past 10-15 years and we now stock a wide variety of equipment from basic measuring instruments all the way through to highly complex high-end Laser Measuring Systems, and everything inbetween. WD Hearn's service department also makes use of a range of in-house Metrology equipment.



TOMELLERI ENGINEERING



LEADER PRECISION





## 4TH & 5TH AXIS ROTARY TABLES



### NIKKEN CNC105

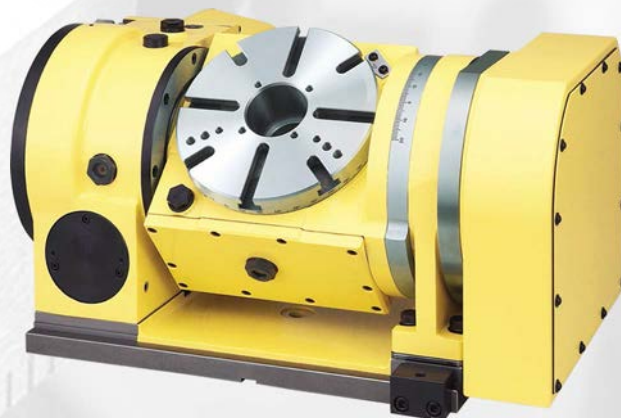
#### 4th Axis Rotary Table

Recognised globally for wear resistance, rigidity, increased production, speed and accuracy. Suitable for a wide range of applications - small Drilling Machines to large Machining Centers. Available in Standard or High-Speed Z Models.

### NIKKEN 5AX-201

#### 5th Axis Rotary Table

Tightening power of Nikken's Ultra-Lock Milling Chuck on the tilting axis brake eliminates vibration at any angle and allows heavy duty operations, including heavy drilling and face milling. Patented carbide worm system ensures wear resistance, rigidity, and rapid speeds.



### NIKKEN TOOL PRESETTERS

WD Hearn offers a wide range of Nikken standard and advanced presetters, designed & manufactured by sister company Elbo Controlli NIKKEN.



### NIKKEN SPINDLE SPEEDERS

NX and PX  
20000-40000rpm  
output speed

Alberti SRI AX5  
25000rpm  
output speed



### NIKKEN ANGLE HEADS

#### Alberti Standard

Cast Iron bodies (GS600) 100% machined

#### Mimatic Standard

Compatible with all types of machine tools

#### Alberti Special

Allows full customisation of unit to suit complex workpieces



# Mahr

## Metrology Equipment

Mahr is a world-class market leader in the manufacture of extremely high precision Metrology Equipment. The German company has a global reputation second to none!



**MarCal**  
Digital Calipers



**Micromar**  
Digital Micrometers



**MarTest**  
Test Indicators



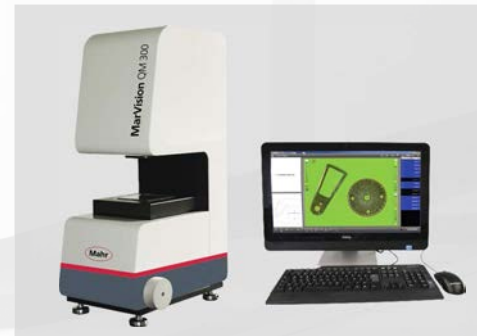
**MarCator**  
Digital Indicators



**Millimes**  
Dial Comparators



**MarSurf**  
Surface Measuring Instruments



**MarVision**  
Video Measuring



**Digimar**  
Height Gauges



# RENISHAW®

apply innovation™

## CNC Probing



## In-house Equipment



WD Hearn's service department makes use of Renishaw Machine Tool calibration and checking equipment including...

- XL80 Laser system
- QC20 Ball Bar

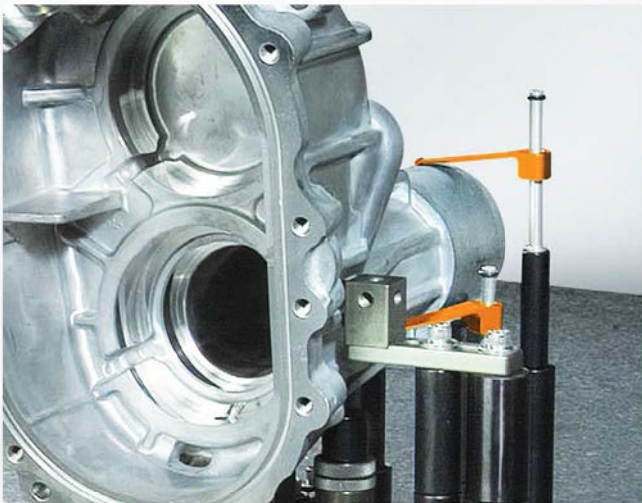
## CMM Probes & Software



**PH10M+**  
Indexible Probe Head

**PH20**  
5 Axis Touch-trigger System

## Fixtures



## Equator Gauging Systems



## 3D Printers





High-end British-built Metrology Equipment



**ALTERA SERIES**  
**CMM**  
Coordinate Measuring  
Machines



**Alto**  
**BRIDGE**  
**CMM**  
Efficient small  
part measurement



**CMM**  
**Scanning**  
**Heads**  
L100  
LC15Dx  
XC65Dx

**Gantry Type CMM**  
LK V-GP



**Horizontal Type CMM**  
HC Series



**Freedom Arm**  
Range of 6 and 7 Axis  
Portable Measuring  
Arm Systems





Nikon

# Nikon

Globally renowned precision Metrology Equipment

**MV331 / MV551**  
Laser Radar Systems

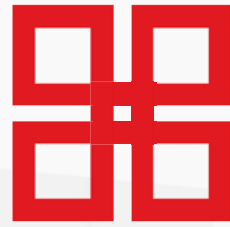


**XT H 225 / XT H 320**  
X Ray & CT Scanning Systems



**Modelmaker H120**  
Handheld Laser Scanner





# TOMELLERI ENGINEERING

Articulated Measuring Arms



## SPACE PLUS

The most accurate  
Portable Arm of its kind

from 1.8 up to 4m Diameter and  
configured with 6 or 7 Rotation Axes

**Options Available**

- S** With Tomelleri Magnetic Mount
- A** Autojoint (Interchangeable Probe system)
- W** Wireless configuration



## MICRON

The most accurate  
Portable Arm ever made

Model	Measuring field	Accuracy	Repeatability
Micron 250	250x250x250mm	4+L/60 ≤ 8micron	5micron
Micron 400S	400x250x250mm	5+L/60 ≤ 11micron	7micron



## EXPLORER 7000

Largest Measuring  
Range for a Portable  
Measuring Arm

5 up to 9m Diameters  
6 or 7 Axis Configurations

**Maximum expression  
of Tomelleri's Portable  
Arm capabilities**

**Models**

- Explorer 5000
- Explorer 7000
- Explorer 9000
- 5000/7000/9000mm  
Measuring Fields



## SPACE

Most appreciated  
solution, Excellent  
Performance

1.8 up to 3.2m in diameter

**Max Volumetric Accuracy**  
0,045mm

**Max Repeatability**  
0,032mm



## MERCURY

Highest Accuracy  
made extremely easy

**Volumetric Accuracy**  
Mercury 1.3: 0,015mm  
Mercury 1.8: 0,018mm



# Starrett®

Optical Measuring Systems

## AVR300

CNC Vision System



## HF-750

Optical Comparator



## MVR200 FOV

Manual Field of View System



# SCANTECH™

3D Scanning Systems

## SIMSCAN

Wireless 3D Scanning System



## NIMBLETRACK

Nimble Wireless 3D Scanning System



## SIMSCAN

Wireless 3D Scanning System





# CONVENTIONAL MACHINES

WD Hearn offers Conventional Machines and stocks a vast range of Tooling and Spares



**2VS/3VS/4VS**  
Milling Machines



**DMTG CDL SERIES**  
Conventional Lathes



**Z5035/Z5050**  
Geared Head Drills



**KB30, KB36, KB45**  
Vertical Band Saws



**KAIDA**  
Conventional Lathes

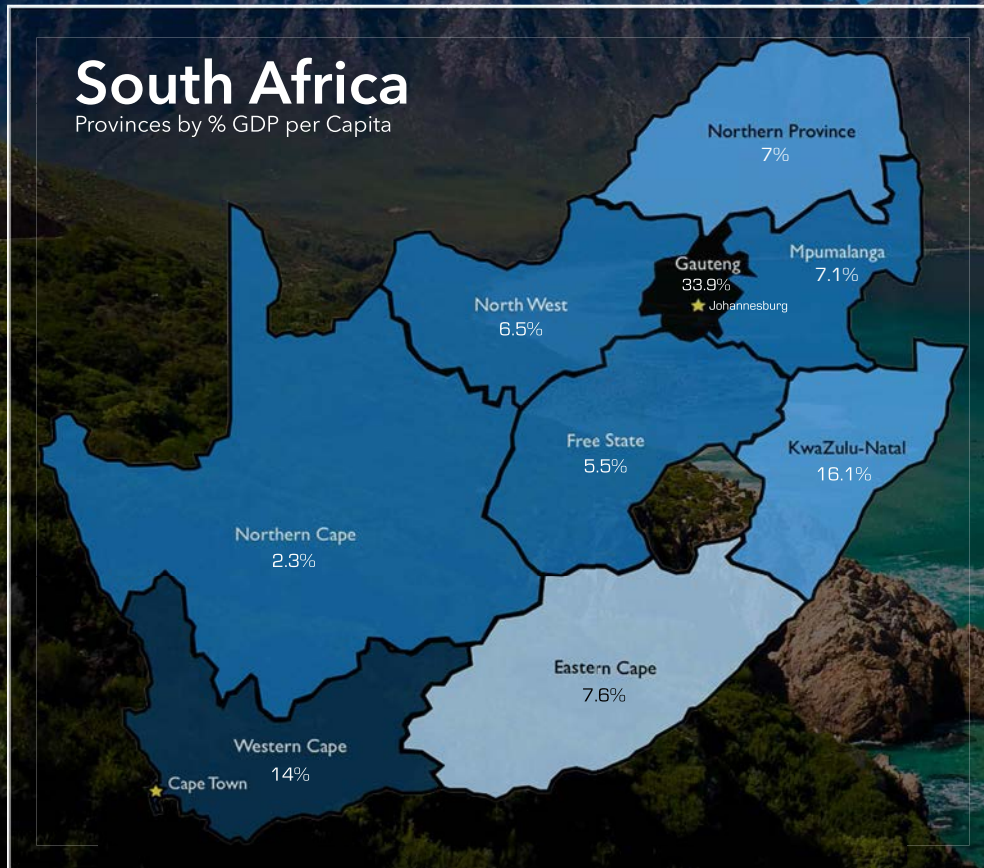


**SG4080 AHD**  
Surface Grinders

**GET IN TOUCH FOR OUR FULL CONVENTIONAL MACHINES LIST**



# SOUTH AFRICA OVERVIEW



- Population: 60.8 Million
- SA's GDP: The 39th biggest worldwide at 400 Million Dollars - 2023 figures
- GDP Growth: 2017 - 1.2% | 2019 - 0.3% | 2021 - 4.9% | 2023 - 0.6% (First half)
- Economic powerhouse of Africa, natural resources.
- Best performing sectors: Automotive, Mining, Agriculture, Banking, Communications, Tourism, Wholesale and Retail trade, Finance and Business Services.
- Stock Exchange JSE among the top 20 in the world.
- Automotive OEM's in SA: Mercedes in East London, Toyota in Durban, BMW in Rosslyn Pretoria, VW in Uitenhague, and the Ford Struandale plant in Port Elizabeth.
- Transnet 2012 recapitalisation program.



# Many Thanks!

For more information please contact one  
of our four branches

## CAPE TOWN: HEAD OFFICE

Tel: +27 21 534 5351

Sales: E-Mail - [graeme@wdhearn.co.za](mailto:graeme@wdhearn.co.za)

Tel: +27 76 337 9011

E-Mail Service: [hearn@wdhearn.co.za](mailto:hearn@wdhearn.co.za)

## JOHANNESBURG

Tel: +27 11 970 7005

Sales: Email - [mariusc@wdhearn.co.za](mailto:mariusc@wdhearn.co.za)

Tel - +27 83 285 1655

E-Mail Service: [hearn@wdhearn.co.za](mailto:hearn@wdhearn.co.za)

## DURBAN

Tel: +27 (0) 31 054 6388

Sales: Email - [mylesc@wdhearn.co.za](mailto:mylesc@wdhearn.co.za)

Tel - +27 83 268 4232

E-Mail Service: [hearn@wdhearn.co.za](mailto:hearn@wdhearn.co.za)

## PORT ELIZABETH

Tel: +27 41 453 2142

Sales: Email - [simong@wdhearn.co.za](mailto:simong@wdhearn.co.za)

Tel - +27 72 067 5778

E-Mail Service: [wdhearnpe@wdhearn.co.za](mailto:wdhearnpe@wdhearn.co.za)