

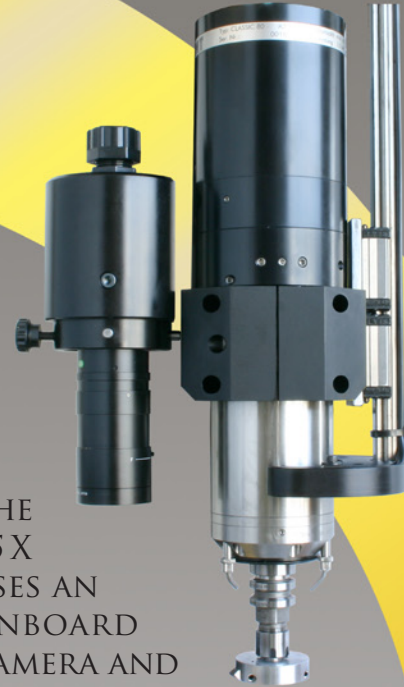


*J5X*

5 AXIS CNC RING MACHINING CENTER

# Integrated Spindle Measuring System Camera & Monitor

A 'STATE OF THE ART' IMT SPINDLE PROVIDES VIBRATION FREE POWER FOR THE J5X'S LINE OF DIAMOND CUTTING TOOLS.



THE J5X USES AN ONBOARD CAMERA AND MONITOR FOR IN-MACHINE PART INSPECTION. OPERATOR PRODUCTIVITY IS GREATLY INCREASED BY LOWERING THE AMOUNT OF TIME SPENT 'OPENING DOORS' TO GET A GOOD LOOK AT THE PART.

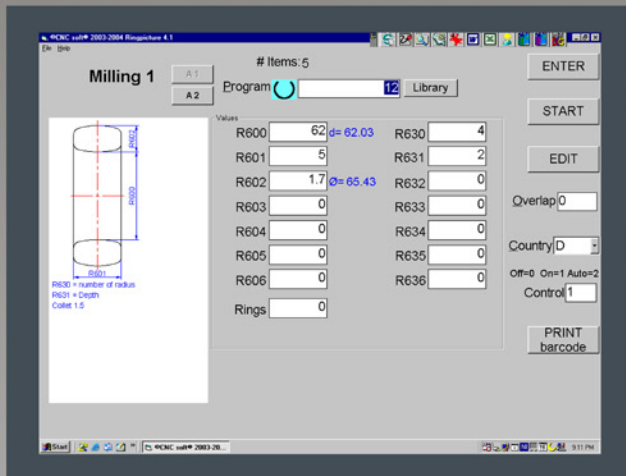
FIBER OPTIC SENSORS ARE USED TO IDENTIFY AND CONFIRM CRITICAL DIMENSIONS. MEASUREMENT OF RAW MATERIAL MINIMIZES EMPLOYEE WASTE, AND HELPS PREVENT MACHINE CRASHES. CONFIRMATION OF FINISHED MACHINING DIMENSIONS ASSURES THAT PARTS HAVE BEEN PRODUCED TO TOLERANCE. THE J5X'S MEASURING SYSTEM IS DESIGNED TO WORK WITH OUR COMPLETE LINE OF WORK HOLDING SYSTEMS.



# SIEMENS 840Di



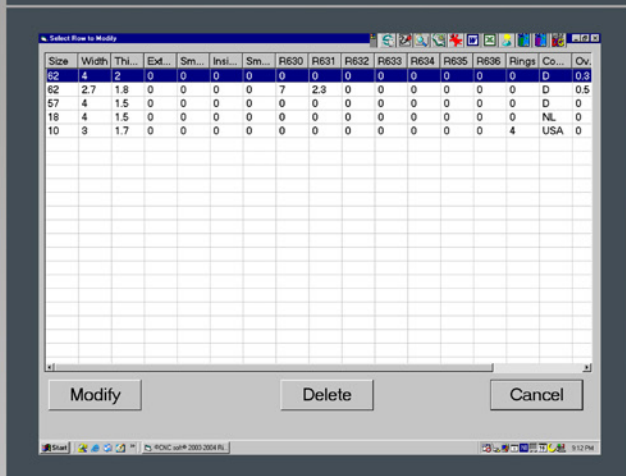
THE HARDWARE BASIS OF THE SINUMERIK 840Di IS A GENUINE INDUSTRIAL PC WITH MCI BOARD. THE 840Di'S INDUSTRIAL CONSTRUCTION PROVIDES THE FUNCTIONAL SECURITY OF A SYSTEM DESIGNED AND BUILT FOR A MACHINING ENVIRONMENT WITH THE INTERFACE AND EASE OF USE OF A PC. DIN ISO 9001, PLUS STANDARDIZED TYPE TESTS AND A 'RUN IN TEST' GUARANTEE EXCEPTIONAL RELIABILITY.



THE J5X COMES READY TO CUT PARTS WITH OUR FULLY INTEGRATED RING MANUFACTURING PROGRAM.



THIS COMBINATION OF SOFTWARE AND MACHINE IS THE RESULT OF OVER 30 YEARS MACHINE MANUFACTURING EXPERIENCE COMBINED WITH OUR PROGRAMMERS' 8 YEAR FOCUS ON THE JEWELRY INDUSTRY.



THE PROGRAMMING INTERFACE IS THE 'EASIEST IN THE INDUSTRY' AND FEATURES:



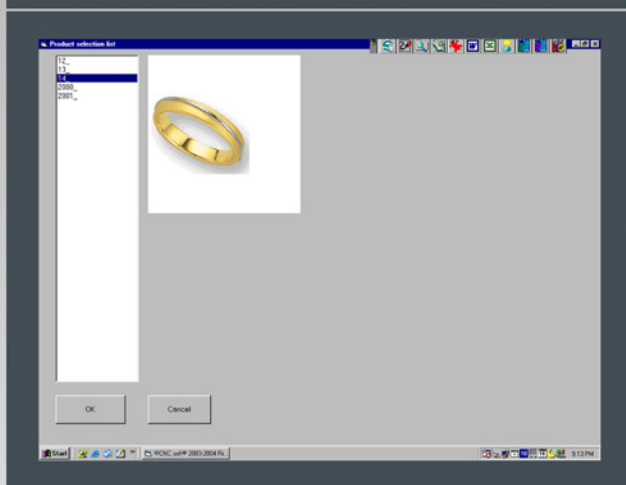
PICTURES IN EACH RING PROGRAM FOR EASY IDENTIFICATION

EASY MANIPULATION OF KEY RING DIMENSIONS SUCH AS: SIZE, WIDTH, RADIUS, THICKNESS ETC.



BUILT-IN SAFETY LIMITS FOR RING DIMENSIONS

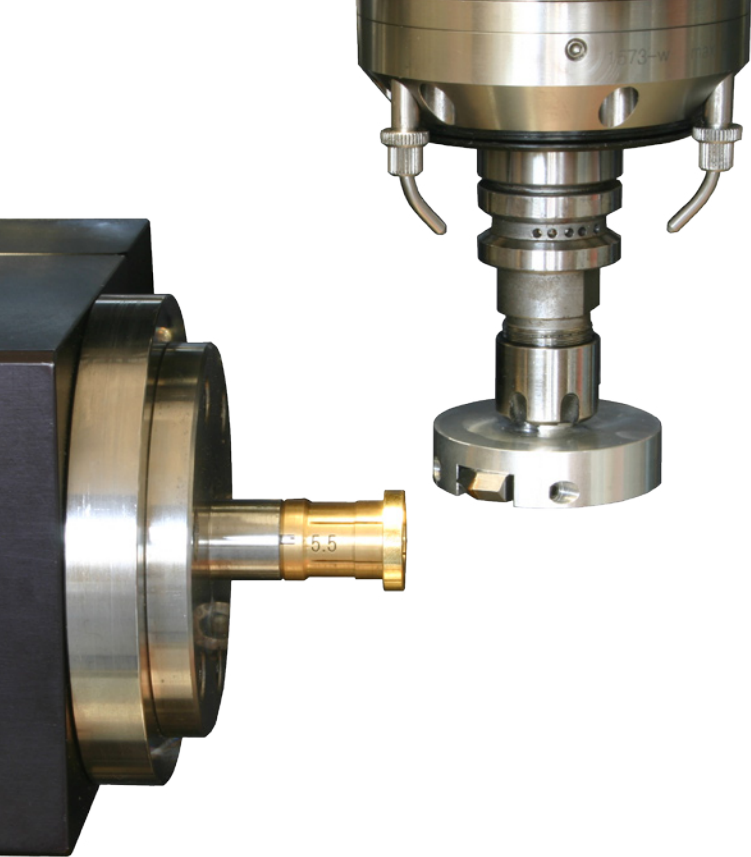
CAPACITY FOR FULLY AUTOMATIC MANUFACTURING, OR PROGRAM BY PROGRAM FOR SHORT RUNS



CROSS COMPATIBILITY WITH OTHER MILLING MACHINES, PARAMETERS ARE CHANGEABLE IN THE PROGRAM INTERFACE



COUNTRY SPECIFIC SIZING

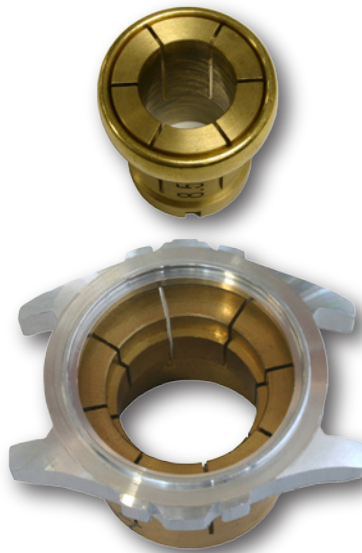
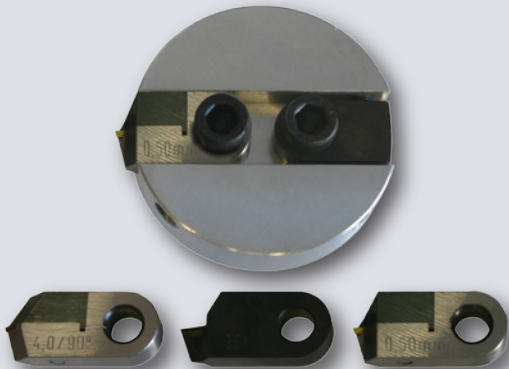


## MACHINE SPECIFICATIONS

X AXIS TRAVEL	440MM X 17.5"
Y AXIS TRAVEL	365MM / 14.5"
Z AXIS TRAVEL	100MM / 4.0"
B AXIS TRAVEL	270 DEGREES
C AXIS TRAVEL	360 DEGREES
TABLE DIMENSIONS	330MM X 470MM 13" X 18.5"
SPINDLE SPEED	40,000 RPM
SPINDLE COOLING	WATER COOLED
SPINDLE POWER	3.5 KW
RESOLUTION	.001MM / .00005"
ACCURACY	.005MM / .0002"
REPEATABILITY	.0025MM / .0001"
MACHINE WEIGHT	500 KG / 1200 LBS
MACHINE DIMENSIONS	915MM X 1220MM X 1575MM 36" X 48" X 62"
AUTOMATIC TOOL CHANGER	16 TOOLS

## TOOLING

SPECIALLY DESIGNED DIAMOND FLY CUTTERS PROVIDE SUPERIOR FINISHES.



## WORK HOLDING

OUR COMPREHENSIVE LINE OF COLLET CHUCKS CAN HOLD ON TO YOUR TOUGHEST PROJECTS.



# TOOLCRAFTER

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