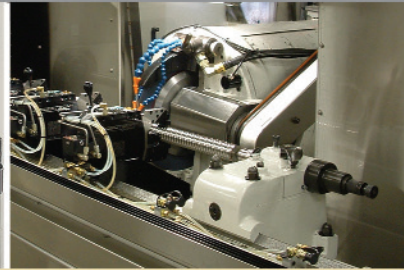


Introducing ...

DRAKE CS:R



Control System Renewal

You save money,
increase reliability,
cut downtime and
boost productivity.

1/2 the cost of a
remanufacture;
1/3 the cost of a new
machine.



Drake technicians do all the integration for your newly renewed control system.

ISO 9001:2000 Certified Quality System



With the Drake CS:R, you'll get complete parts and service support for your CNC controls, compared to infrequent or non-existent support for obsolete controls.

This new control system is designed for machines which are still good mechanically, but have failure-prone controls.

For these machines, Drake's CS:R package is an economical way to return them to higher productivity.

CS:R—the way you need it, when you need it.

Drake's CNC renewal process is designed to minimize downtime. Drake engineers and technicians visit your facility and analyze your production, machine requirements and current state of your equipment. Once the renewal is built, our technicians come out to your plant to install the new control system, get your machine running and train your people. We do all the work. You get all the benefits.

User-friendly performance.

Set-up is much easier, changeover is quicker and productive machine time is increased, thanks to the new software and digital servos, which control all movable axes.

An instant boost of improved productivity and reliability.

Once Drake technicians are finished with installation, start-up and training in your plant, you'll notice a dramatic improvement in your machine's productivity.



Drake's new CS:R system gives you unmatched control reliability and productivity, easier set-up and quicker changeover.

The technology we use provides the best reliability in the industry. Drake Manufacturing will significantly increase your Mean Time Between Failure (MTBF) and decrease your Mean Time To Repair (MTTR).

**Ideal for N/C or CNC
cylindrical, surface,
universal, thread, gear,
internal and external
grinders as well as
hobbers, shapers and
thread mills.**

DRAKE CS:R ...

good parts out your door from day one!

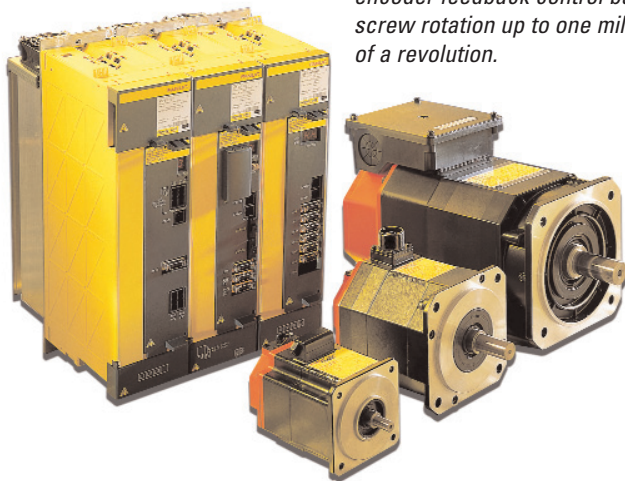
An optional service: custom programming.

Your new CNC system can be completely customized to your specific manufacturing operation. Drake can format most programs to be menu-driven, so all you do is enter workpiece parameters to prepare part set-up. We can also provide, as needed, new part processing software.

Performance warranty.

In term, the Drake warranty is a full year, with no limit on hours. In nature, it's basic: you expect performance—we deliver it.

Digital AC servo motors with serial encoder feedback control ball screw rotation up to one millionth of a revolution.



Drake can custom program your CS:R to make your machine easier to set-up and use.

MAX CONTROLLED AXES	4 CNC+2 PMC (Options: 8 CNC+4 PMC)
PROGRAMMING RESOLUTION	0.0001 mm
Linear	0.00001 inch
Rotary	0.0001 deg
SERVO FEEDBACK	
Counts per revolution	Up to 1,000,000
LADDER	
μS per step	0.085
Number of steps	8K, up to 24K
PCMCIA MEMORY CARD	Standard
PROGRAM LOADING	RS232 + PCMCIA
DISPLAY	10.4" LCD
Ladder Monitoring	Standard
PART PROGRAM STORAGE	80 Meters Standard Up to 1280 M Available
OPERATION HISTORY	
Last 8000 keyboard entries	Standard

Put the Drake CS:R to work for you

Call or email to discuss your manufacturing challenges and let us explain how the CS:R can improve your machine's operation.

ISO 9001:2000 Certified Quality System

Drake

MANUFACTURING
Smart Technology.™

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