SIEMENS

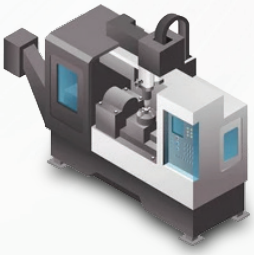
ELECTRO-MATIC
a SunSource Company

# MACHINE TOOL
## Retrofits & Upgrades



Reduce cycle time, improve quality, and keep investments manageable.

## INVESTMENT BENEFITS VS NEW MACHINE
### Retrofit Mechanical and/or Electrical system








## Why Retrofit?

| MACHINE RISK - EXTENDED MACHINE DOWNTIME |
|---|
| Reduce machine downtime |
| Lower maintenance costs |
| Improved overall equipment effectivness |
| **IMPROVEMENT OF TECHNOLOGY** |
| Faster operation |
| Additional functionalities |
| Improved security |
| More digitalization opportunities - brownfield connector included |
| Improved accuracy |
| **EXTENDED MACHINE LIFETIME** |
| Increased spare parts availability |
| Ability to bundle Siemens Xcare* |

* Siemens proactive maintenance and hardware support program designed to maximize the performance and longevity of factory automation equipment while minimizing downtime.

## Should I Retrofit?

| HOW CRITICAL IS THE MACHINE AND WHAT'S IT'S UTILIZATION? |
|---|
| What happens if the machine is down for multiple months? |
| Can another machine perform the same process? |
| What is the utilization of the machine? |
| **LIFECYCLE OF MACHINE / MECHANICAL CONDITION OF MACHINE** |
| Is the machine in a good mechanical state? Has the machine proven its repeatability? |
| What is the machines life expectancy? |
| Spare & repair availability |
| **REPLACEMENT, UPGRADE, OR RETROFIT?** |
| What would a new machine with the same production quality and capacity cost today? |
| Original type of machine still available or being replaced by a more expensive machine? |



Sinumerik 840C



Sinumerik 840D Power Line



Sinumerik 840D Solution Line



## Sinumerik One

# RETROFIT OFFERINGS

- Electrical Cabinets and Components
- Operator Consoles
- Feed Axes Motors and Drives
- Upgrade old Siemens controller or convert competitor controller to SINUMERIK ONE

# RETROFIT PROJECT SCOPE OF WORK

| OFFSITE |
|---|
| ENGINEERING |
| BUILD |
| TEST |
| SHIPPING |

| ONSITE |
|---|
| REMOVAL |
| INSTALLATION OF RETRO PARTS |
| COMMISSIONING |
| TRAINING & FOLLOW UP |

## FOR MORE INFORMATION, CONTACT:

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