

Agie Charmilles Edm

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A high degree of accuracy is necessary to produce the wire EDM electrodes used by the company. One of Die Technology's unique capabilities is performing many machining operations without operator ...

CNC Programming System Cuts Micromachining Time

Agie-Charmilles Holding (Swiss) is the Manufacturing Technology Group of George Fischer. It includes Agie, Charmilles, the Intech Group of EDM maintenance companies, and Meccatool. Machine sales are ...

Machine-tool scorecard: Germany makes a comeback

EDM is also notoriously fussy, what with having to control an arc discharge while precisely positioning the tool relative to the workpiece. Still, some home gamers give it a whirl, and we love to ...

For a high quantity production system such as PROTON, maintenance of equipments and related facilities at the production line is one of the critical factors to ensure the success of Just In Time system (JIT) and Synchronised System. A higher breakdown of equipments will affect the delivery to next processes and uncertain level of quality. This project focused on body assembly process where this process is the second process in Proton cars manufacturing process. It features a mix of a variety type of welding assembly jig, welding equipments, material handling equipments and robots. A demand arises when the spare part of existing welding assembly jig - Cooling Jig is not available and extensive maintenance is required in maintaining the Cooling Jig. This project focus on re-modelled and fabrication of Cooling Jig. The fabrication process needs information on surface data instead of detail drawing. But, the information such as surface data is not available in Jig Making & Maintenance (JMM) section. The surface data is obtained thorough digitising process with coordinate measuring machine and produced the Cloud point data in a neutral data format (ASCII format). Then, Catia software was used to convert the file into DXF format. The Cooling Jig's surface was obtained first before NC data conversion can be generated. The fabrication of Cooling Jig is using EDM wire cut. Prior to machining, the Design of Experiment (DOE) was used as a method to obtain the optimum machining time and wire breakage without carrying numerous numbers of experiments at EDM Wire Cut machine - R290P, Agie Charmilles. As a result, the In-House fabrication process reduced almost 60 % fabrication cost if outsourced and successfully forged a reverse engineering flows for JMM section.

The automobile industry is evolving rapidly on a worldwide basis. Manufacturers are merging, component design and manufacture are now frequently outsourced instead of being created in-house, brands are changing and the giant auto makers are expanding deeper into providing financial services to car buyers. The skyrocketing price of gas spurs developments in hybrid technology and clean diesel, as manufacturers look for ways to improve fuel efficiency. Meanwhile, all of the biggest, most successful firms have become totally global in nature. Plunkett's Automobile Industry Almanac will be your complete guide to this immense, fascinating industry. On the car dealership side, giant, nationwide holding companies have acquired the best dealers in major markets. Even the used car business is being taken over by national chains. E-commerce is having profound effects on the car industry. Consumers use the Internet to become better informed before making a purchase. Online sites like Autobytel steer millions of car buyers toward specific dealers while the same sites deliver competing bids for cars, insurance and financing in a manner that lowers costs and improves satisfaction among consumers. Meanwhile, auto makers are using the latest in e-commerce methods to manage their supply chains and replenish their inventories. This exciting new book (which includes a database on CD-ROM) is a complete reference tool for everything you need to know about the car, truck and specialty vehicles business, including: Automotive industry trends and market research; Mergers, acquisitions, globalization; Automobile manufacturers; Truck makers; Makers of specialty vehicles such as RVs; Automobile loans, insurance and other financial services; Dealerships; Components manufacturers; Retail auto parts stores; E-commerce ; and much, much more. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. This book also includes statistical tables, an automobile industry glossary, industry contacts and thorough indexes. The corporate profile section of the book includes our proprietary, in-depth profiles of the 400 leading companies in all facets of the automobile industry. Purchasers may also receive a free copy of the company profiles database on CD-ROM.

This edited volume presents the proceedings of the 20th CIRP LCE Conference, which cover various areas in life cycle engineering such as life cycle design, end-of-life management, manufacturing processes, manufacturing systems, methods and tools for sustainability, social sustainability, supply chain management, remanufacturing, etc.

Described as "Who owns whom, the family tree of every major corporation in America," the directory is indexed by name (parent and subsidiary), geographic location, Standard Industrial Classification (SIC) Code, and corporate

responsibility.

Franklin, Jack, Marla, Thadius, and Caitlin... this unlikely group of assorted misfits are the Cemeterians, a group that will take on any job - no, really, we mean any bloody job (money's a bit tight right now)! Trudge through disgusting sewers to battle manatee-massacring mermaids and soggy cultists, creep through creepy, fog-littered cemeteries straight out of an ancient Hammer Film soundstage, confront undead lecherous lodgers and other assorted beasties, creepies, and ghoulies. It all comes down to whether an adolescent giant Automaton, a truly mad, Mad Scientist, a surly Necromancer, a Banshee's granddaughter, and a reluctant furry monster straight from under your little sister's bed can manage not to kill each other - or, at least, quit fighting over the tele-privilege-schedule long enough to get the job done! Not likely.

This carefully-researched book covers exciting trends in residential construction, commercial construction, real estate brokerage, property management, investment, finance, hotels, shopping centers, office buildings, mortgages, development, architecture, REITs and more. This reference tool includes thorough market analysis as well as our highly respected trends analysis. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. It contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources. This book also includes statistical tables, an industry glossary and thorough indexes. The corporate profiles section of the book includes our proprietary, in-depth profiles of nearly 400 leading companies in all facets of the real estate, construction, design and mortgages industry. Here you'll find complete profiles of the hot companies that are making news today, the largest, most successful corporations in the business. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled.

This carefully-researched book covers exciting trends in residential construction, commercial construction, real estate brokerage, property management, investment, finance, hotels, shopping centers, office buildings, mortgages, development, architecture, REITs and more. This reference tool includes thorough market analysis as well as our highly respected trends analysis. You'll find a complete overview, industry analysis and market research report in one superb, value-priced package. It contains thousands of contacts for business and industry leaders, industry associations, Internet sites and other resources. This book also includes statistical tables, an industry glossary and thorough indexes. The corporate profiles section of the book includes our proprietary, in-depth profiles of nearly 400 leading companies in all facets of the real estate, construction, design and mortgages industry. Here you'll find complete profiles of the hot companies that are making news today, the largest, most successful corporations in the business. Purchasers of either the book or PDF version can receive a free copy of the company profiles database on CD-ROM, enabling key word search and export of key information, addresses, phone numbers and executive names with titles for every company profiled.

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