

PART

PURCHASED PARTS AT CONNTRONIC GMBH

CASE STUDY



»3D CAD MODELS IN PARTSOLUTIONS ARE THE PROCESS DEFINED SELECTION CRITERIA«

conntronic prefers implementing CADENAS' supplier catalogs in their designs of CD welding plants

The conntronic Prozess- und Automatisierungstechnik GmbH has been implementing the Strategic Parts Management system PARTsolutions by CADENAS GmbH at five locations since 2004. The manufacturer of CD welding plants (capacitor discharge or condenser discharging welds) from Welden, Germany specifically uses the all-encompassing standard parts library PARTsolutions for its plant and special engineering. With this library, the CADENAS software solution gives the mechanical engineering at conntronic access to millions of 3D CAD models from over 500 catalogs of popular suppliers. "We almost exclusively use parts and components whose 3D CAD models we are able to find in the parts management system PARTsolutions," confirms Thomas Nett, Manager of Engineering/Labs at conntronic. "This is the selection and integration criteria for us, as long as we don't have required specifications from our customers."





Accelerated infeed contains numerous PARTsolutions parts

The preferred use of 3D CAD models and parts from the PARTsolutions standard parts library can be illustrated using the example of an accelerated infeed of a CD welding plant assembled at conntronic. Among other things, standard parts such as aluminum profiles from item Industrietechnik GmbH, flutes from ifm electronic gmbh, as well as power track chains from igus® GmbH, were integrated from the supplier catalogs of PARTsolutions, and then subsequently "designed-in" during assembly.

The yellow colored parts of the accelerated infeed design come from the supplier catalogs of CADENAS PARTsolutions.

»As soon as a CAD model is integrated into one of our designs, it will then be purchased«

Save time and minimize sources of errors

The CAD system used by conntronic has a parts library but only offers a restricted selection of 2D CAD models. This required a large number of models to be constructed by hand. This process was quite complicated. This resulted in an enormous loss of time. "PARTsolutions, with its all-encompassing standard parts library gave us an extraordinary advantage in speed, since we were able to find the required supplier parts quickly and simply integrate them in the design in the CAD system CATIA," remembers Thomas Nett. In addition, conntronic realized another advantage concerning the accuracy of the models supplied by CADENAS, as opposed to creating the models themselves. Prior to using CADENAS PARTsolutions, parts needed to be measured and numbers had to be taken from BOM lists in order to be created. This obviously introduced errors, as much of the data was missing to create an accurate model for design use.

All specified models are then purchased

The CD welding machines of conntronic are especially used in the automotive industry, the area of "white goods" (dishwashers and washing machines), as well as in the construction industry. The parts used in the designs are obtained for 100% of the assembly of the machines later on. "As soon as a CAD model is specified in one of our designs, it will then be purchased", says Nett. "We in the engineering department select which parts and components our purchasing department buys."

"Over three million engineers in the mechanical engineering, the automotive, the shipbuilding, the electronic engineering and construction industries have been using the all-encompassing parts and catalog world of CADENAS. As in previous years, we will continue to expand the number of 3D CAD models and supplier catalogs as well as enhance search options," says Jürgen Heimbach, CEO, CADENAS GmbH. 4

COMPANY DESCRIPTIONS



conntronic Prozess- und Automatisierungstechnik GmbH

conntronic is one of the few suppliers of CD welding technology and CD welding machines (capacitor discharge- or condenser discharging welds) worldwide. The product range reaches from the affordable and flexible standard machine to the extensive and highly specialized special plant.

Founded in 2004 with only seven employees, the company has been steadily growing and now employs thirty people. The employees at conntronic have an extensive and longtime know-how in special plant engineering. Based on diverse standards, the conntronic engineers plan welding plants with CD technology, protective gas applications, or resistance spot welds, which are optimized to challenging and exacting product and production demands.



CADENAS GmbH

CADENAS is a leading software manufacturer in the areas of Strategic Parts Management and parts reduction (PARTsolutions) as well as Electronic Product Catalogs (eCATALOGsolutions). With its customized software solutions, the company acts as a link between component manufacturers and their products, and the buyers.

With its 300 employees at twelve international locations, the name CADENAS (Spanish for chains) has stood for success, creativity, consulting, and process optimization for over 18 years.

For more information about the company please visit our website: www.cadenas.de.

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