

CADD5 – Historie

CADD5 / Revision 1.0 (Juli 1991)

Hardware / Betriebssystem

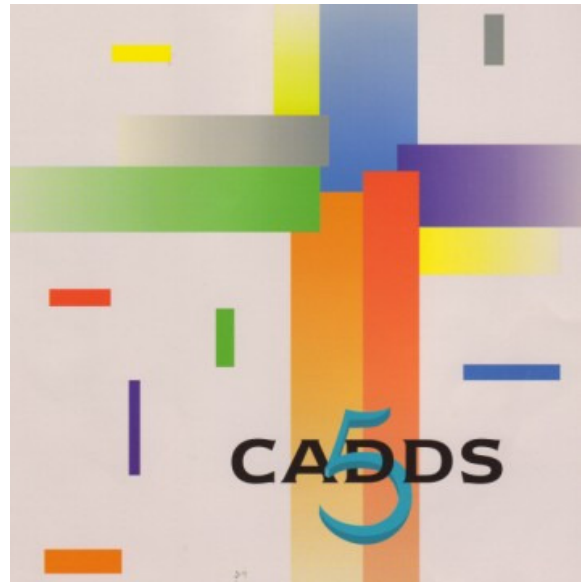
SPARCstation / SunOS / Sunview

Produkte / Software

- Premium Engineering Package
limitierte Anzahl von Applikationen
- IOP's (Interoperable Packages)
 - Parametric Design
 - Solid Modelling
 - Design & Drafting
 - View & Markup

Funktionalität

- Neues User-Interface
- Neue Technologien
 - Dimension-driven Design
 - Variational Sketching
 - Parametric Modeling
 - Equation Solving
 - Feature-Based Modeling



CADD5 / Revision 2.0 (Juni 1992)

Hardware / Betriebssystem

SPARCstation / SunOS / Sunview

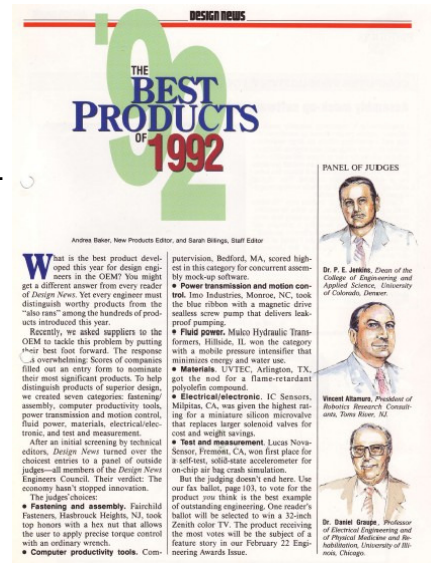
Produkte / Software

- 21 neue Module (Portierung von CADD5X bzw. neue Produkte) u.a.
- Concurrent Assembly Mock-Up (CAMU)
- CVNC-M3/M5
- CVware Machine Shop Series (SmartCAM)
- CV-DORS Revision 2.0

CADD5 / Revision 3.0 (Dezember 1992)

Hardware / Betriebssystem

- Erste alternative Hardware-Plattform für CADD5
- Portierung auf DECstation / ULTRIX 4.1



DESIGN NEWS

THE BEST PRODUCTS OF 1992

PANEL OF JUDGES

Andrea Bauer, New Products Editor, and Sarah Binkins, Staff Editor

What is the best product developed this year for design engineers in the OEM? You might get a different answer from every reader of *Design News*. Yet every engineer must distinguish worthy products from the "also rans" among the hundreds of products introduced this year.

Recently, we asked suppliers to the OEM to tackle this problem by putting their best foot forward. The response... a overwhelming. Scores of companies filled out an entry form to nominate their most significant products. To help distinguish products of superior design, we created seven categories: fastening and assembly, computer productivity tools, power transmission and motion control, fluid power, materials, electrical/electronic, and test and measurement.

After an initial screening by technical editors, *Design News* turned over the choices to a panel of outside judges—all members of the *Design News* Engineers Council. Their verdict: The economy hasn't stopped innovation.

The judge's choices:

- **Fastening and assembly:** Fairchild Fasteners, Hawthorn Heights, NJ, took top honors with a hex nut that allows the user to apply precise torque control with an ordinary wrench.
- **Computer productivity tools:** Com-
- **Power transmission and motion control:** Imo Industries, Monroe, NC, took the blue ribbon with a magnetic drive sealless screw pump that delivers leak-proof pumping.
- **Fluid power:** Malco Hydraulic Transformers, Hillsdale, IL, won the category with a mobile pressure intensifier that minimizes energy and water use.
- **Materials:** UVTEC, Arlington, TX, got the nod for a flame-retardant polyolefin compound.
- **Electrical/electronic:** IC Sensors, Milpitas, CA, was given the highest rating for a miniature silicon microswitch that replaces larger solenoid valves for cost and weight savings.
- **Test and measurement:** Lucas Nova-Sensor, Fremont, CA, won first place for a self-test, solid-state accelerometer for on-chip air bag crash simulation.

But the judging doesn't end here. Use our fax ballot, page 103, to vote for the product you think is the best example of outstanding engineering. One reader's ballot will be selected to win a 32-inch Zenith color TV. The product receiving the most votes will be the subject of a feature story in our February 22 Engineering Awards Issue.

Dr. P. E. Jenkins, Dean of the College of Engineering and Applied Science, University of Colorado, Denver

Vicent Altamir, President of Robotics Research Consultants, Torrville, NJ

Dr. Daniel Graupe, Professor of Electrical Engineering and of Physical Medicine and Rehabilitation, University of Illinois, Chicago

CADD5 / Revision 4.0 (Mai 1993)

Hardware / Betriebssystem

- Portierung auf HP / HPUX
- Solaris 1.1 / OpenWindows
- erste gemeinsame Revision für SUN / DEC / HP

Produkte / Software / Funktionen

- CV Sheet Metal Design
Blechteil-Konstruktion und Abwicklung
- Integration von DesignView / 2D-Sketcher
- Neue Online-Dokumentation / WorldView
- CVDORS
Anbindung mehrerer Third-Party-Produkte an CADD5, u.a.
NCSIMUL / Simulationsmöglichkeiten fuer NC-Programmierung
ROBCAD / Offline-Programmierung von Robotern
- Portierung der MCAE-Labs in CADD5
StressLab / ThermoLab / PlasticsLab / SystemLab
- Portierung HARNESSDESIGN in CADD5
- Portierung aller Valisys-Module
Offline-Programmierung von Messmaschinen
- Portierung weiterer Module in CADD5
im Bereich Fertigung : CVNC-T2, CVNC-P2
im Bereich Anlagenbau : Piping, Visualisation

CADD5 / Revision 4.1 (September 1993)

Hardware / Betriebssystem

- Support Solaris 2 (OpenLook und Motif)
- ZX-Support (neues SUN Graphik-Board)

Produkte / Software / Funktionen

- EDMInformation
Anbindung an relationale Datenbanken, z.B. fuer Stuecklistenbearbeitung
- EDMControl
Change control management / design-by-zone / project management

CADD5 / Revision 5.0 (März 1994)

Hardware / Betriebssystem

- Portierung auf Silicon Graphics (SGI) / IRIX 1.3
- Portierung auf DEC3000 Alpha-Plattform / OSF1 V1.3

Produkte / Software / Funktionen

- HIDE OBJECT / UNHIDE OBJECT
- Window-Unification
Vereinheitlichung von Explizit- und Parametric-Modus
- zusätzliche Kurven- und Flächenbefehle im Parametric-Modus
z.B. LOFT NSURFACE
- neue FILLET-Funktionalitäten
- "Family of Part" (Phase I)
Erstellen von Teilefamilien
- Parametric Tolerancing
Toleranzuntersuchungen
- Bi-Direktionale Assoziativität
- Verbesserungen im History-Editing (Phase I)
Location-Editing
Replay-Modus
- Verbesserungen im Concurrent Assembly Mock-Up (CAMU)
Context Switching
- Verbesserungen in der Zeichnungserstellung / ISO-Standard
- APPLY PROFIL
mehrfaches Einsetzen eines Profils
- Verbesserungen im CVNC-M3 und CVNC-M5
z.B. UNCUT, ZPROF3, PROFIL5
- Verbesserungen in den MCAE-Lab