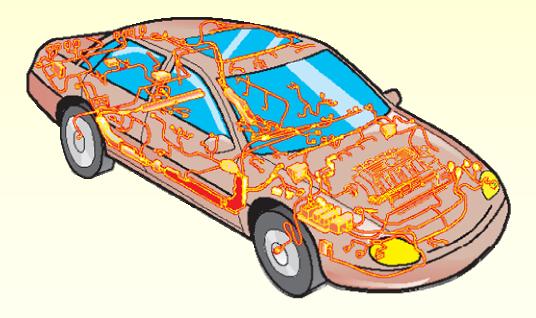
Harness CAD System MFG. Design System (MDS)

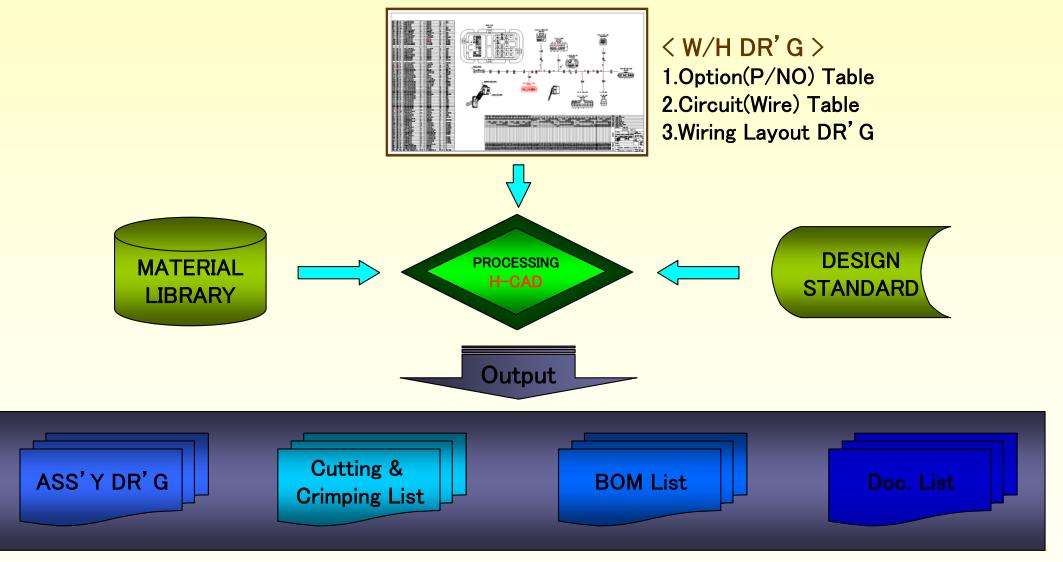


Harness DaeShin Engineering Inc.

H-CAD MD system - Block Diagram



Automatic Wire Harness MFG Process Design Tool through systematic conversion from Car maker's original drawing/spec to manufacturer's workable drawing/list



Main Characteristics of H-CAD MD system Haness

- Efficient MFG process design capability using design standard and library
- The same and assured design quality by both of people skillful and unskillful
- Capable of keeping powerful material library and design superiority
- Capable of interface with ERP system
- Automatic and speedy generation of MFG process materials and reports
 Spec comparison/management, Cutting tag, Quotation and so on
 Ensure of the fastest skill enhancement for engineering resources
 A powerful system proven by several harness makers in Korea
- Workable based on general PC and Auto-CAD
- Lower price than other system requiring expensive server and DB S/W

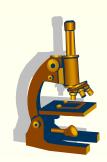
Major effectiveness from H-CAD MD

- Standardization : MFG process design
- Simplicity : Design procedure
- Fast Speed : MFG process development
- Integration : All data to library and DB
- Reliability : MFG process quality
- Accuracy : Design review & assessment
- Economic Cost : Systematic MFG process design and build-up
- More project opportunity from car maker, thanks to :
 - Highly advanced technological application
 - Agile and systematic response to car maker's design change









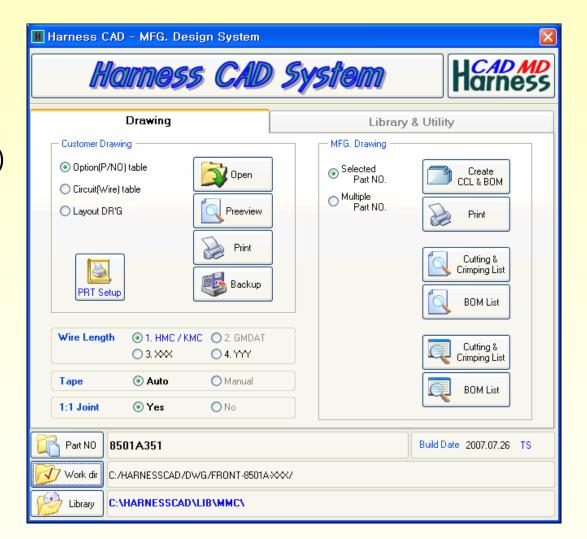






Details of H-CAD MD System

- Data input (Full Option DR'G)
 - Option (P/NO) Table
 - Circuit (Wire) Table
 - Wiring Layout DR'G
- MF'G DR'G Generation (each P/No.)
 ASS'Y DR'G
 - Cutting & Crimping DR'G
 - BOM List
- Utility Functions
- Library Management Tool



Details of H-CAD MD System

