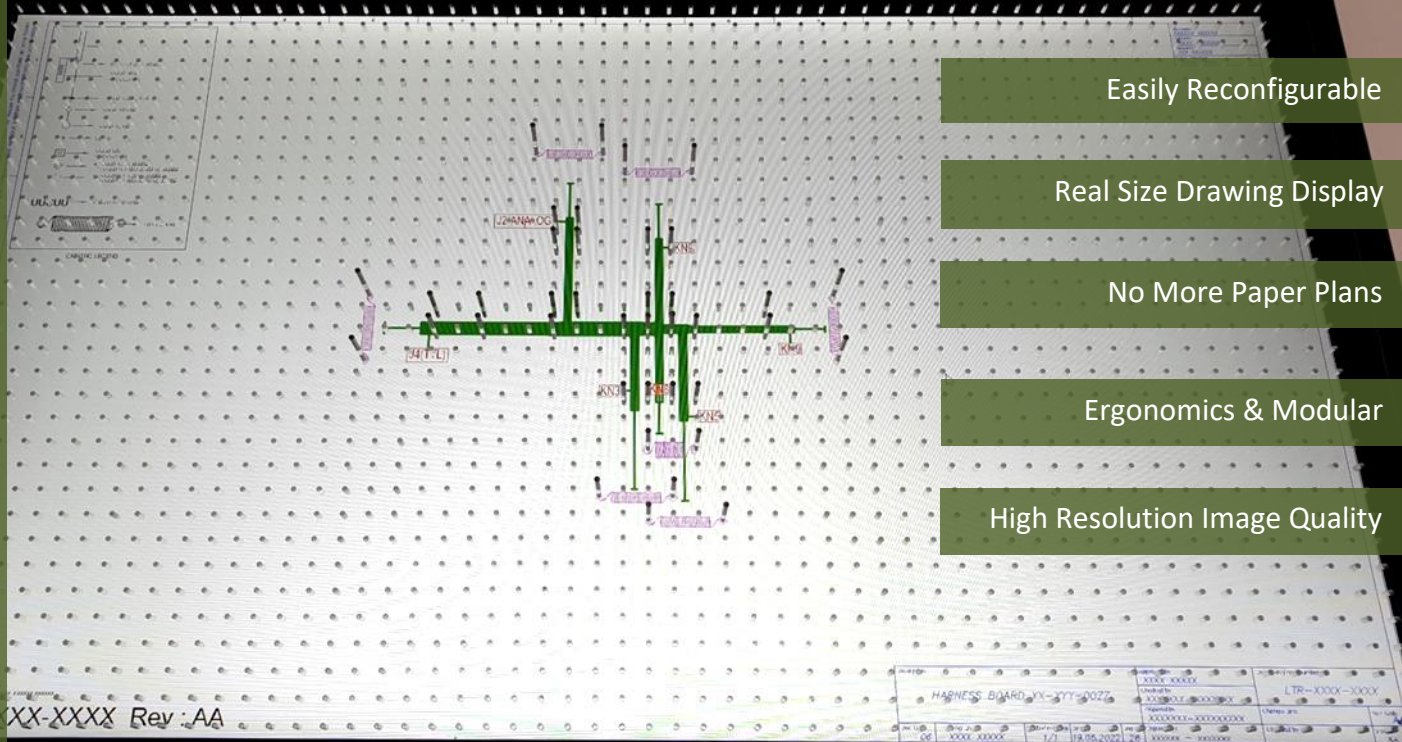# WIROBOARD

PATENT PENDING

WIROBOARD

NEW GENERATION

WIRE HARNESS ASSEMBLY BOARDS

WIROBOARD

Digitalized Harness Board for Wire Assembly Processes

- Easily Reconfigurable
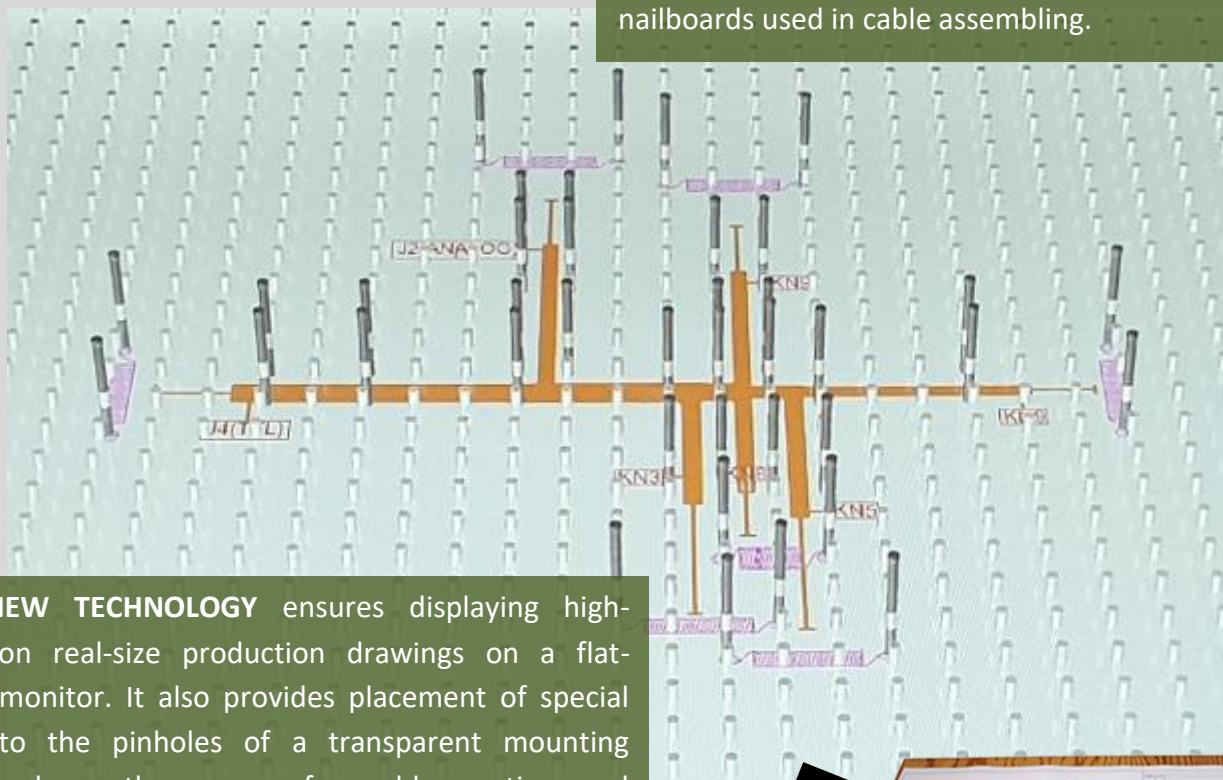- Real Size Drawing Display
- No More Paper Plans
- Ergonomics & Modular
- High Resolution Image Quality

INTRODUCTION

WIROBOARD is a new generation "Harness Board" whose design is inspired by prior art wooden nailboards used in cable assembling.
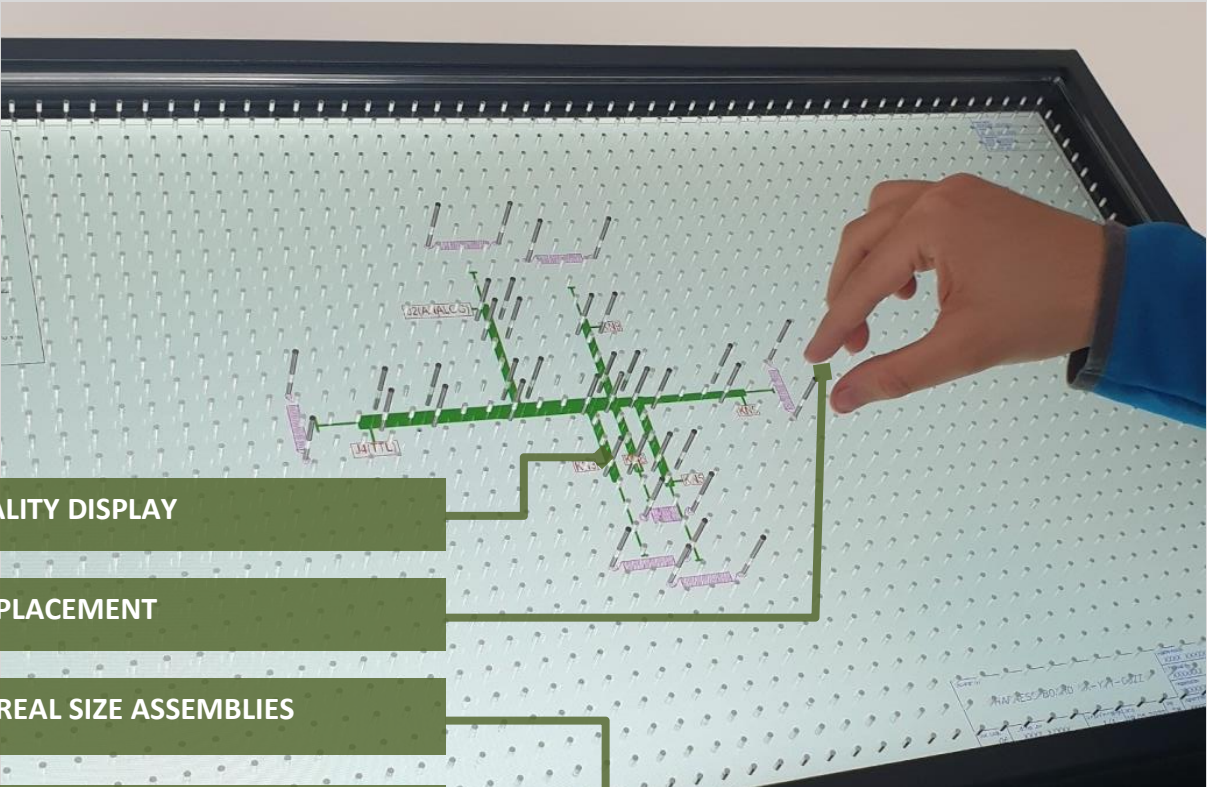
THIS NEW TECHNOLOGY ensures displaying high-resolution real-size production drawings on a flat-screen monitor. It also provides placement of special pins into the pinholes of a transparent mounting surface above the screen for cable routing and branching.

WIROBOARD provides any number of assemblies with a single product and helps manufacturers to save time and money in their jobs.
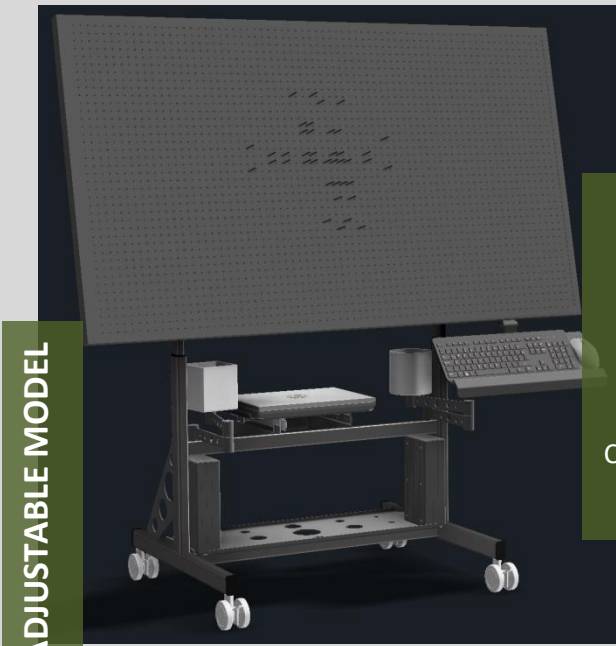
NO MORE WOODEN BOARDS, NO MORE NAILING

HIGH QUALITY DISPLAY
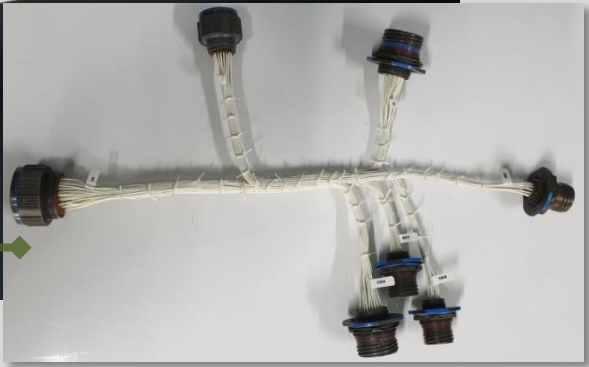
EASY PIN PLACEMENT

ENSURES REAL SIZE ASSEMBLIES
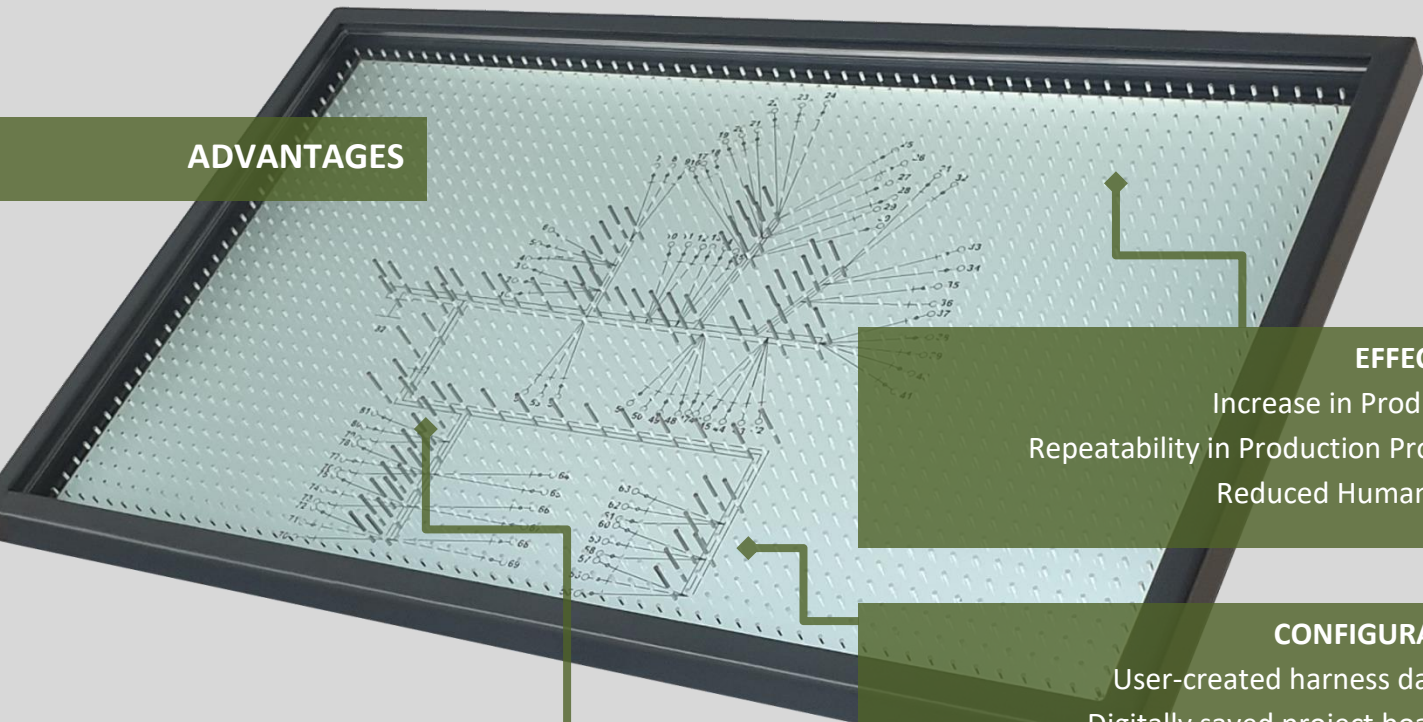
SUITABLE FOR MOST KIND OF HARNESSES

FIXED MODEL

ADJUSTABLE MODEL

RELATED INDUSTRIES
AUTOMOTIVE
MARINE
DEFENSE
AEROSPACE
MEDICAL
CONSUMER ELECTRONICS
RECREATIONAL

ADVANTAGES

EFFECTIVITY
Increase in Productivity
Repeatability in Production Processes
Reduced Human Errors

CONFIGURABILITY
User-created harness database
Digitally saved project board info
Selection of production data whenever needed
Quick pin placement or changing
Any number of assemblies in the same unit

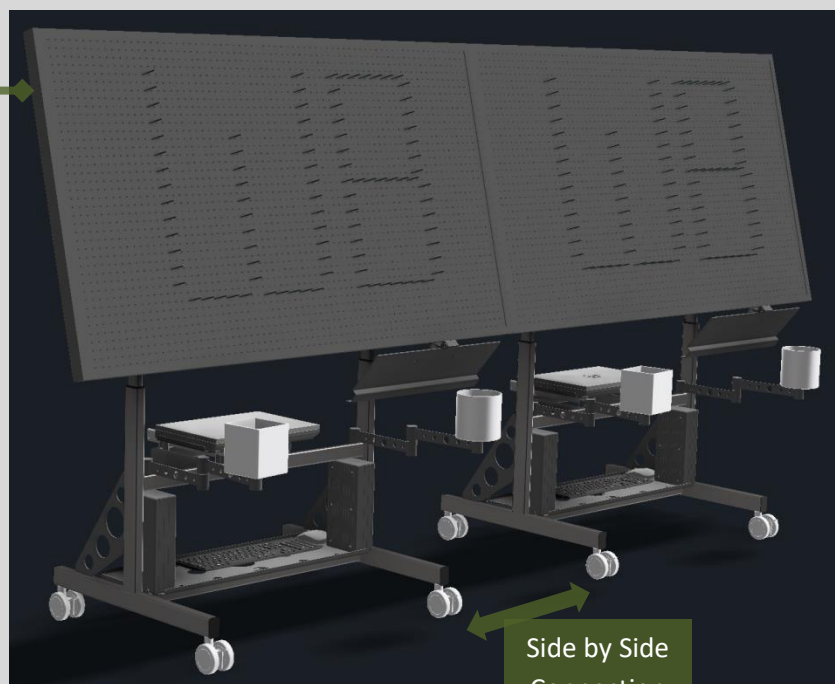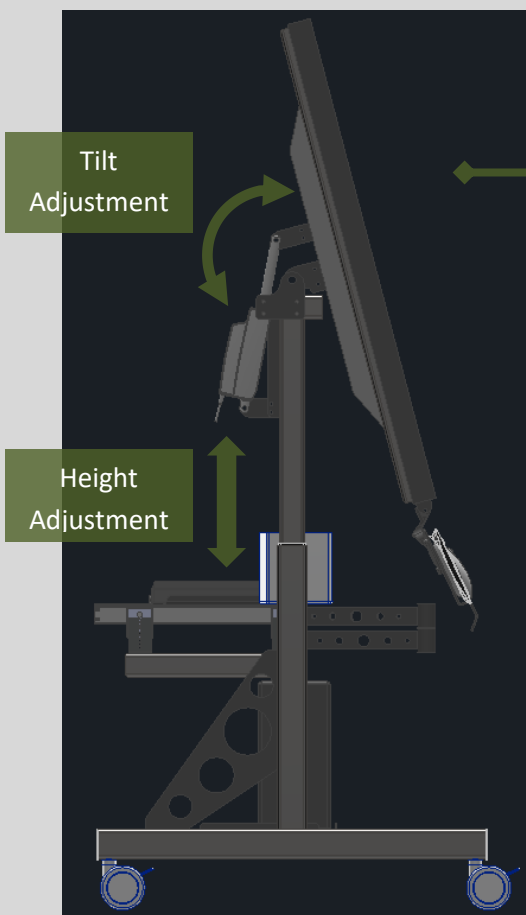### PINHOLE DISTANCES
can be as small as 12mm and lots of pins can easily be placed in a small area. This feature provides more accurate and dense routing & branching in assemblies.

ERGONOMY
Height and Tilt adjustments mechanisms for ergonomics (in the adjustable model)
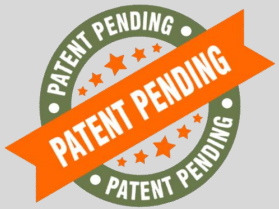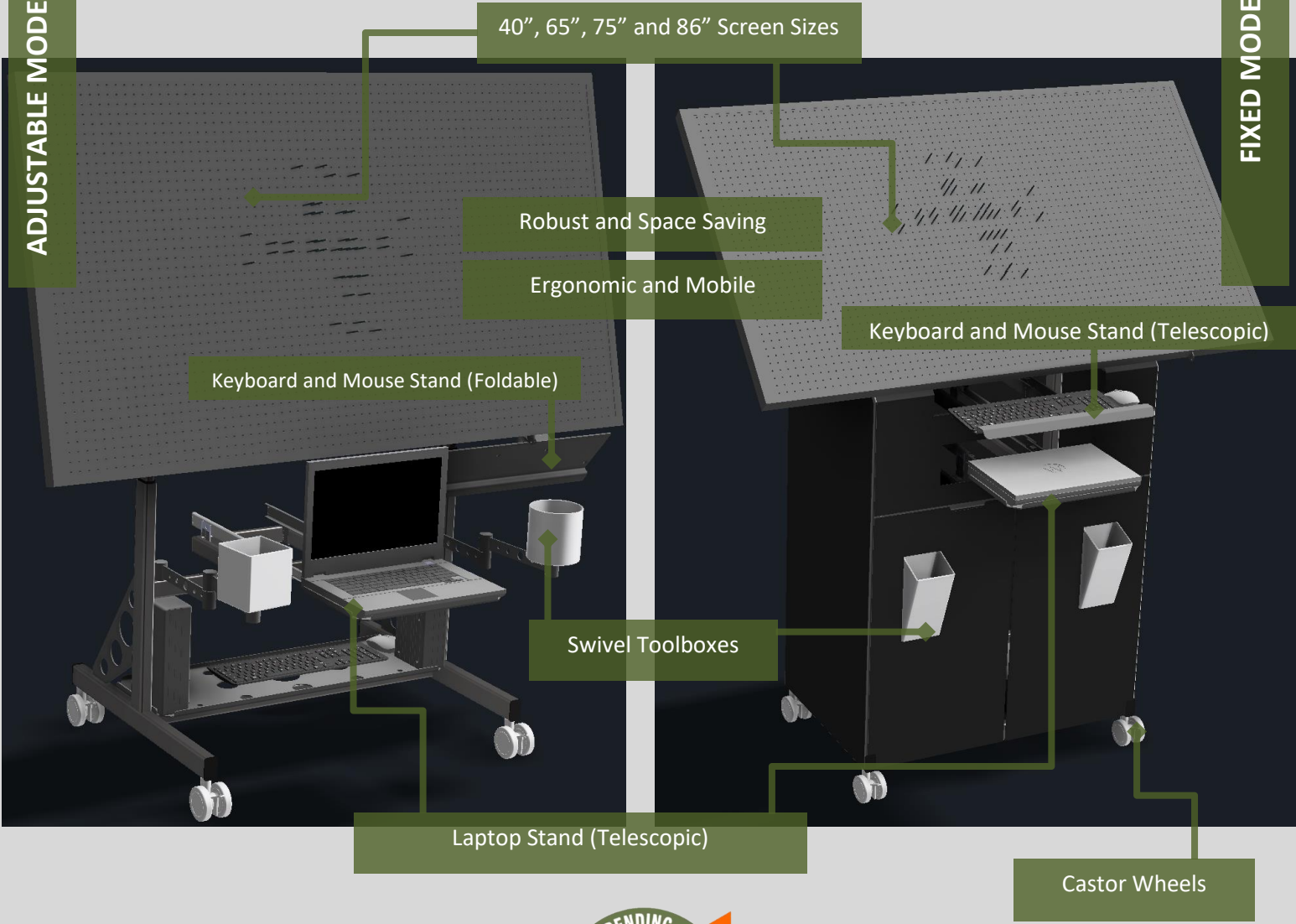
MODULARITY
Side by side connection to enlarge board area

Tilt Adjustment

Height Adjustment

Side by Side Connection

ADJUSTABLE MODEL

FIXED MODEL

40", 65", 75" and 86" Screen Sizes

Robust and Space Saving

Ergonomic and Mobile

Keyboard and Mouse Stand (Telescopic)

Keyboard and Mouse Stand (Foldable)

Swivel Toolboxes
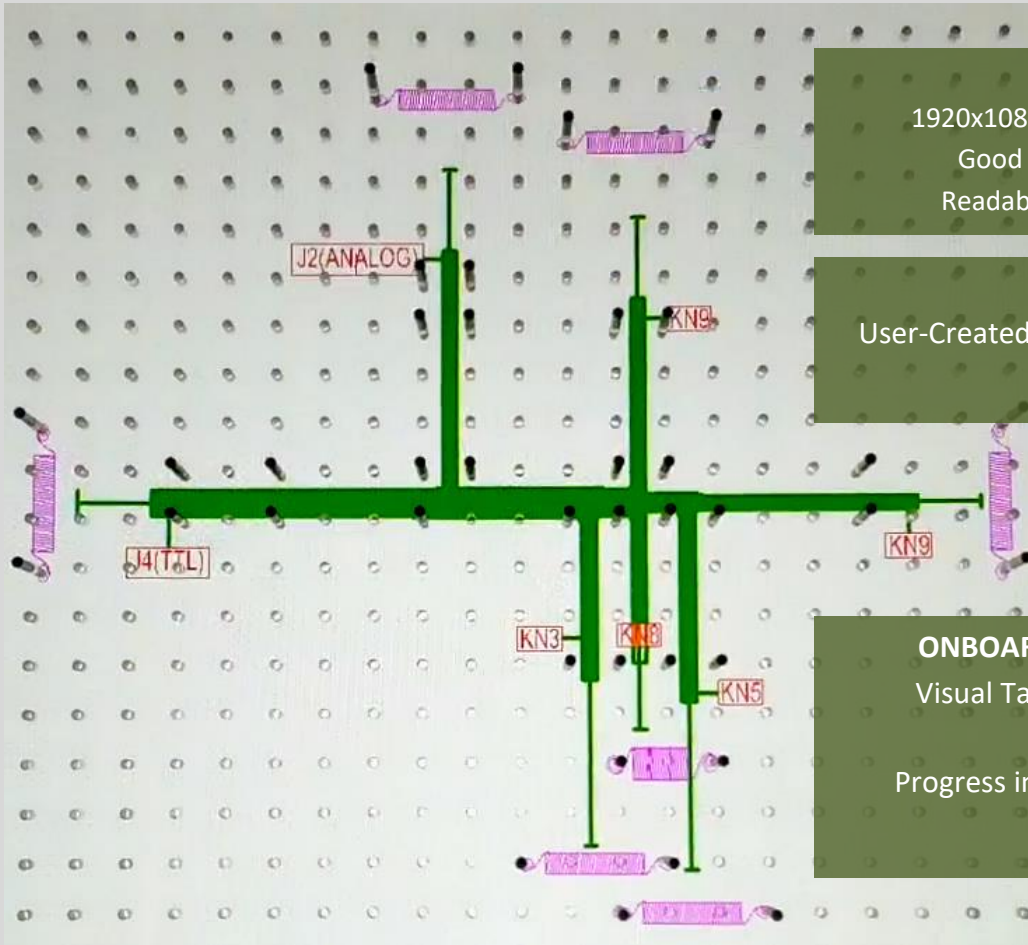
Laptop Stand (Telescopic)

Castor Wheels

PATENT PENDING

ABOUT US

WIROBOARD is the brand name of this harness board manufactured by LETRA that has engineering experience over 22 years. Letra has been working in the electronics and industrial machinery sectors and developing innovative products. LETRA, mainly, produces Rotary/Antenna Positioners, Environmental Test Systems and has substantial experience in Custom Design and Manufacturing of electro-mechanical systems.

Thanks to ongoing support of the customers, LETRA has taken the opportunity of putting WIROBOARD and its components on the market recently. As a result of this collaboration on such an innovative task, LETRA proudly announces that it has accomplished the production of high-quality harness boards with competitive prices for harness manufacturing companies in the aerospace, automotive, defense, medical, and consumer electronics sectors.

DISPLAY & SOFTWARE

DISPLAY QUALITY
1920x1080 Pixels or Higher Resolution
Good Impression on Working Area
Readable Drawings and Instructions

MAIN ADVANTAGES
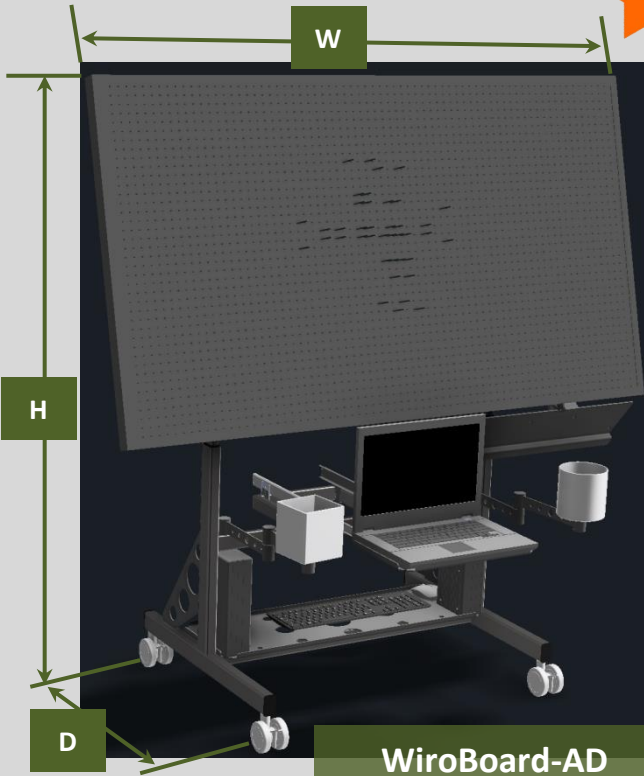User-Created Harness Library Database
DXF/DWG Support

ONBOARD DISPLAY ADVANTAGES
Visual Tags, Symbols, Aids (Photos, Videos, Text Documents)
Progress in Manufacturing Period by User Defined Instructions

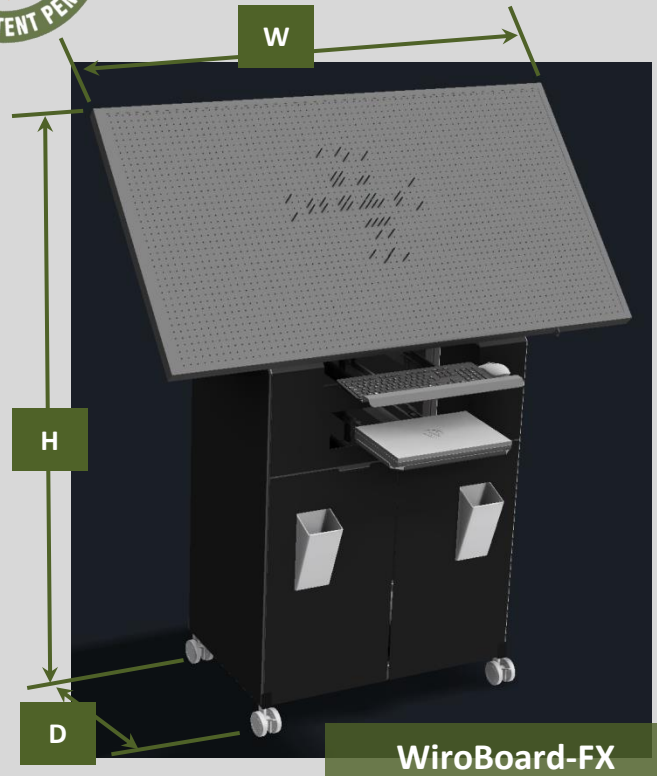| SOFTWARE VERSIONS	BASIC	ADVANCED
Utilization	Included in All Models	Optional
DXF / DWG Drawing Support	Open and Convert to Wiroboard Format	Open and Convert to Wiroboard Format
Real Size Drawing Display	Yes	Yes
Saving / Editing Pin Locations	Yes	Yes
User Created Harness Library Database	Yes	Yes
Built-in Plain Text Editor	-	Open / Edit / Save
Displaying User Defined Manufacturing Instructions (PDF Support)	-	Yes
Displaying User Defined Manufacturing Instructions (Video Support)	-	Yes
Saving Board Images and Videos by Camera	-	Available with Optional Board Viewing Camera
Screen Dividing (for Side by Side Connection)	-	Yes

Product Models	ADJUSTABLE MODEL WiroBoard-AD	FIXED MODEL WiroBoard-FX
General		
Working Area	43", 65", 75" and 86" LCD Screen Sizes	
Distance Between Pin Holes (Center to Center)	Standard 20 mm x 20 mm (Optional 12 mm x 12 mm)	
Tilt Adjustment	Any position between 0 and 90 degrees (Motorized)	-
Height Adjustment	± 200 mm (Motorized)	-
Total Number of Pins	200 pcs.	
Screen Resolution	1920x1080 or Higher	
Mobility	Four Castor Wheels (with brake)	
Materials		
Chassis, Frames, Coverings	Aluminum and Powder Coated Steel	
Electrical		
Supply Voltage	100 - 240 V AC, 50/60 Hz	
Screen Power Consumption	140 Watt (43"), 215 Watt (65"), 260 Watt (75"), 320 Watt (86")	
Environmental		
IP Rating	IP20 / Indoor Use Only!	
Temperature / Humidity	Operating Temperature 10 °C to 40 °C Operating Humidity 10 % to 80 %, non-condensing Storage Temperature -20 °C to 45 °C Storage Humidity 5 % to 95 %, non-condensing	
Control Software		
Basic Version	Included	
Digital Files Conversion	DWG/DXF Support	
Drawing Display Scale	1:1 (Real Size)	
Advanced Version	Optional	
Miscellaneous		
Warranty	Two Years	
Computer Unit	Not Included (Minimum Requirements: Windows 10, Intel Core i3 or Similar, RAM 4GB, SSD 250GB, GPU Display Resolution 1920x1080, 1 HDMI Output, 1 USB Output)	
Mouse and Keyboard Stand	Foldable	Telescopic
Laptop Stand	Telescopic	Telescopic
Toolboxes	Two Swivel Boxes	Two Swivel Boxes

Optional Items	
Reduced Pin Hole Distance	12 mm x 12 mm
Automatic Continuity Tester and Contact Board	Supports up to 2048 contact points
Side by Side Connection of Multiple Boards	Requires Advanced Version of Software
Control Software	Advanced Version
Additional Pins	According to Customer's Demand (Consult our Team)
Acrobat Stand for Additional Monitor	
Uninterruptable Power Source	
Board Viewing Camera	
Other Screen Sizes	

WiroBoard-AD

WiroBoard-FX

Screen Sizes	WiroBoard-AD	WiroBoard-FX
40"	720 mm (D) – 950 mm (W) – 1550 mm (H)	680 mm (D) – 950 mm (W) – 1600 mm (H)
65"	720 mm (D) – 1485 mm (W) – 1600 mm (H)	680 mm (D) – 1485 mm (W) – 1650 mm (H)
75"	720 mm (D) – 1705 mm (W) – 1650 mm (H)	680 mm (D) – 1705 mm (W) – 1700 mm (H)
86"	720 mm (D) – 1950 mm (W) – 1700 mm (H)	680 mm (D) – 1950 mm (W) – 1750 mm (H)

CONTACT US

LETRA COMPANY LIMITED
DUMLUPINAR BULVARI,
TEPE PRIME IS MERKEZI, NO:266A/18 ANKARA
TURKEY

info.board@wiroboard.com
Phone: +90 312-210-1603

2BK PARTNER LIMITED
Suite 2/3, 2nd Floor, 48 West George Street,
G2 1BP, GLASGOW, SCOTLAND
UNITED KINGDOM

nesli@2bkpartner.com
Phone: +44 786-785-3812