

Sustainable Products and Practices:

2/90 proudly manufactures recyclable signage and employs initiatives to conserve earth's precious natural resources... more contribution to the greater good with less contribution to landfills. 100% of raw materials are sourced within the U.S. 80% of those materials are purchased from suppliers located within 250 miles of our headquarters in Grand Rapids, Michigan to reduce transportation energy consumption.

Although signage currently does not yet hold a specific place within the LEED rating system, incorporating modular signs into a facility is a key factor in sustainable design.

DESIGN - Slide Modular Sign System is one of the first modular/changeable signage systems on the market and is still in production 40 years after its introduction.

- Signs are made of high quality materials manufactured to tight tolerances for an extensive life cycle.
- When messaging needs to be up-dated, end-users simply replace graphic insert elements instead of replacing entire signs.
- Mechanical elements incorporated into Slide minimize adhesives.
- Sign parts are easily separated for recycling. All components are recyclable.
- As more Green materials become available, 2/90 incorporates them into our signage offerings as feasible.
- Substrates are Certified Greenguard.
- ADA graphic options contain up to 40% recycled content with low or no VOC inks.
- The unique patented substrate carrier accepts different types of materials. As material manufacturers create green options, 2/90 incorporates them into our offerings as feasible.

DESIGN - Arc Modular Sign System is 2/90's patented modular system with an appealing soft curved profile.

- Emphasizes commitment to sustainability. Sign sizes are designed around inch-based standard paper sizes to enable end-users to update graphics in-house using recycled paper.
- When messaging needs to be up-dated, end-users simply replace graphic insert elements instead of replacing entire signs.
- ADA graphic options contain up to 40% recycled content with low or no VOC inks.
- Substrates are Certified Greenguard.
- As substrate material manufacturers create green options, 2/90 incorporates them into our offerings as feasible.

DESIGN - Klik Modular Sign System is 2/90's patented frameless system offers a clean design with the option to incorporate corporate branding with trendy shapes and patterns.

- When messaging needs to be up-dated, end-users simply replace graphic insert elements instead of replacing entire signs.
- Sign parts are easily separated for recycling. All components are recyclable.

MACHINERY:

As an industry leader, 2/90 invests in state-of-the-art manufacturing equipment if it brings manufacturing efficiencies, product innovation and resource savings to our operation. We maintain standard tooling equipment for lengthy periods for time to maximize its usefulness.

SERVICES:

- 2/90's wayfinding solutions have a major impact on sustainability. With facility signage, less is actually more. Over-signing with too much visual clutter incorporates unnecessary materials and is not efficient for occupants and visitors. Well-planned wayfinding programs provide Clients with less usage of materials up-front and such programs minimize wasted materials over their life span to maintain it.
- On average, a 2/90 wayfinding program decreases a building's signage needs by a 3.5:1 ratio. For every 3½ old signs removed, 1 sign is installed.

EXPANDED STATEMENT

RESPONSIBLE BUSINESS PRACTICES - MANUFACTURING:

- 2/90 manufactures with a minimal carbon footprint. To support our commitment to environmental responsibility and stewardship, 2/90 has an aggressive recycling program for materials.
- Items we recycle include (but are not limited to):
 - ◆ Cardboard
 - ◆ Plastic
 - ◆ Aluminum
 - ◆ Steel
- Acrylic paint, thinners and solvents are recycled for re-use within our plant.
- Recycled scrap material includes:
 - ◆ ABS
 - ◆ Acrylic
 - ◆ PETG
 - ◆ Lexan film
 - ◆ Aluminum drops
 - ◆ Aluminum saw chips
 - ◆ Cardboard
 - ◆ Paper
- Environmental Savings Report for Recycled Plastics: The results of 2/90's 2009 plastic recycling report documents the following savings:
 - ◆ 27,926 KWH of energy
 - ◆ 4,764 gallons of oil
 - ◆ 16 cubic yards of landfill space
 - ◆ 145 pounds of air pollution effluents
- New Graphic Application Technology: 2/90 is the first national facility signage manufacturer to implement the most environmentally-friendly graphic option available; D2S (Direct-to-Substrate) provides:
 - ◆ High efficiency output of producing near photo image quality graphics using an ultraviolet curable flatbed printer. Meaningful environment impactfulness.
 - ◆ Uses 50% less ink over other printers and copy options.
 - ◆ Yields no wasted materials.
 - ◆ Ink contains no VOCs (Volatile Organic Compounds).
 - ◆ No solvents.
 - ◆ No film production needed for color separation.
- Paint Process:
 - ◆ 2/90 has an on-site solvent recycler to eliminate waste from paint.
 - ◆ Iwata spray guns (low volume, low pressure) to reduce overspray and save on material usage.
 - ◆ A self-contained spray gun washer eliminates or contains vapors to limit VOC emissions and skin contact with solvents.
- Shipping Packaging:
 - ◆ Die-cut packaging is 100% recycled pulp content and recyclable.
 - ◆ Bubble Wrap is recyclable under #4 plastics.
 - ◆ Polyethylene, Styrofoam, vinyl compound and masking packaging contain a minimum of 10% recycled content.
 - ◆ PE bags are recyclable.
 - ◆ Paper-padded mailers are 100% recycled pulp.

SUSTAINABILITY

EXPANDED STATEMENT



RESPONSIBLE BUSINESS PRACTICES - OFFICE

- High-efficiency lighting is utilized throughout our entire building. The re-lamping of our Manufacturing area in-and-of-itself (60,000 sq. ft.) saves 135,707 KWH annually.
- An On-Base Document Management application significantly reduces the amount of paper and folders used by all Departments because it stores, indexes and archives all of our quotes, orders and account documentation electronically. This instantaneous access to information also provides significant efficiencies in sign fabrication, Client service and invoicing.
- Environmentally-Friendly Marketing Program:
 - ◆ All printed materials are available electronically on our website, by e-mail or upload sites
 - ◆ Literature is printed on FSC paper that is sourced locally
 - ◆ Binders consist of 100% post-consumer waste board, cased and lined with FSC certified paper, printed with soy-based inks, covered with an inert lamination that is recyclable. The steel rings, once popped out, are also recyclable
 - ◆ Tabs are FSC certified paper stock, printed with soy-based inks and covered with an inert lamination and are also totally recyclable
 - ◆ 100% recyclable
- Employee Recycling Program: Recycling bins are conveniently located through our facility for disposal of beverage cans, plastic bottles, food containers and paper.

In summary, 2/90 engages in sustainable practices with focus on material efficiency, modularity, recyclability, and reduction of power consumption in our manufacturing process. We align ourselves with suppliers who share our values and practice sustainability within their companies. 2/90 is committed to on-going research with new ways to incorporate recycled and low environmental impact materials into our products.