

MINIWIZ

IT IS WISE TO MINIMIZE

2018

ANGER *MANAGEMENT*

EcoARK

Water Conservation Museum
Taipei

Materials Used



rPET



Drink Bottles

Manuf. Technology Used



Blow Molding



Injection



MINIWIZ



NATIONAL
GEOGRAPHIC
CHANNEL

EcoARK

Water Conservation Museum
Taipei

International Building Standard Passed



ASTM E-330/331

Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference



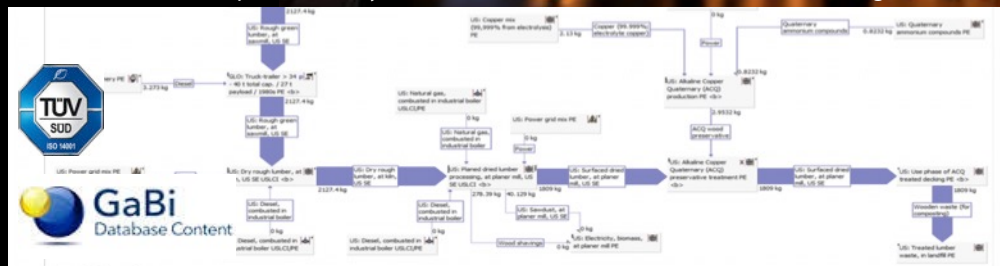
AAMA 501.4

Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference



UL Certification E 98658
Plastics Component

ISO 14001 Carbon Footprint / Toxicity Audited over 95% less than conventional building method





BERLIN EU Office

BEIJING MWC Construction

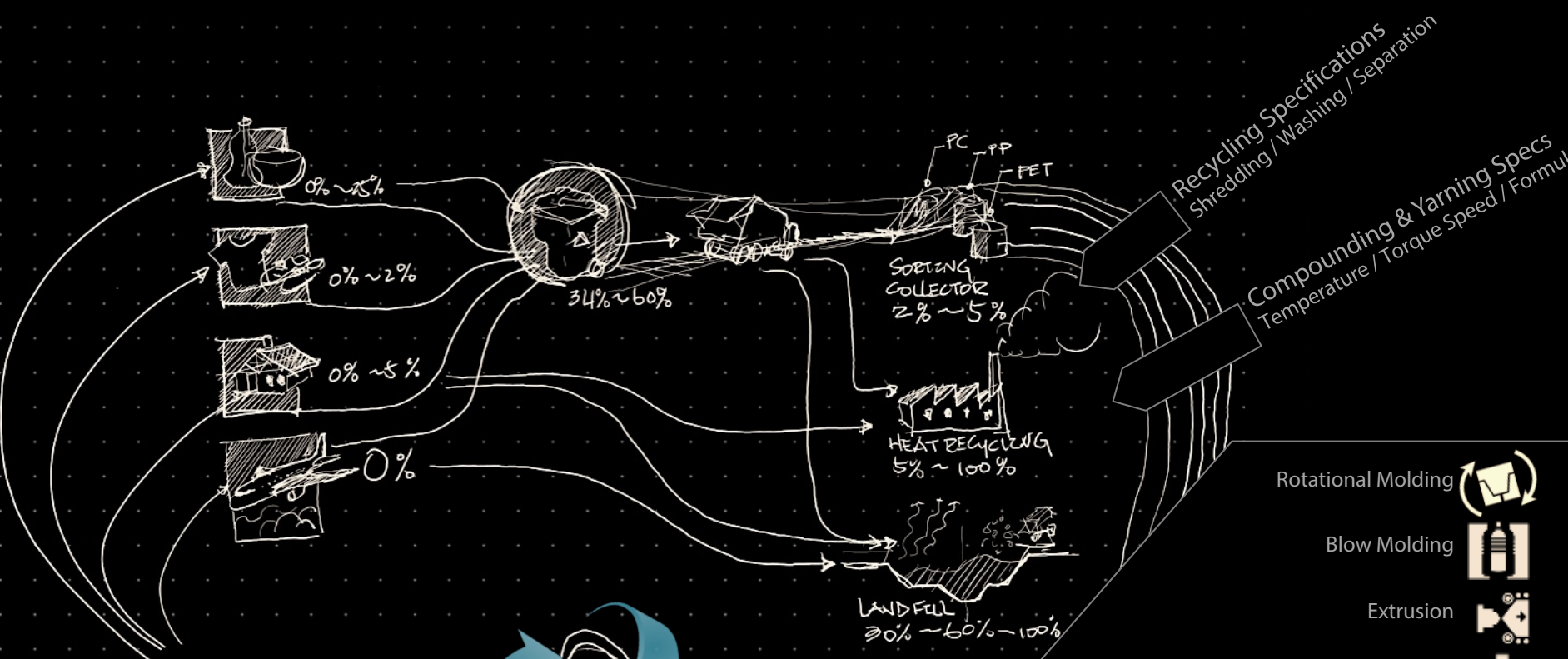
MILANO Design Center

TAIPEI TrashLAB

MINIWIZ PORTFOLIO FOOTPRINT








- London (Shoreditch)
- London (Haymarket)
- Paris (Le Marais)
- Milan (Via Castello) x2
- Milan (Fuoro Bounapparte)
- Turin (Porta)
- Modena
- Bologna
- Roma
- New York (Soho & Murray Hill)
- Portland
- Hong Kong (Causeway Hill)
- Tokyo (Ginza)
- Shanghai (French Concession)
- Beijing
- Taipei
- Cheng Du
- Taiyuan
- Tainan
- Gauhsiong
- Rio De Janeiro

TOTAL CLIENT INVESTMENTS: 176,000,000 USD



Recycling Specifications
Shredding / Washing / Separation

Compounding & Yarning Specs
Temperature / Torque Speed / Formula

- Rotational Molding 
- Blow Molding 
- Extrusion 
- Thermal Forming 
- Injection Molding 
- Woven / Knitting 
- Non Woven 

1200 New Materials
Made From Trash / 100% REACH
0% VOC / 100% Re-recyclable



APPLICATION
ENG. SPECS



1200 New Materials
Made From Trash / 100% REACH
0% VOC / 100% Re-recyclable

MINIWIZ MATERIAL DATABASE

THE RECYCLED MATERIALS DATABASE



Type a keyword to search ...

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ABOUT

LOG IN

REFINE BY

✓ GENERAL FEATURES

Recycled from

- Short term disposable items
- Durable consumer goods
- Architecture waste
- Textile waste
- Electronic waste
- Agricultural waste

Use for

- Furniture
- Packaging
- Ceiling
- Wall Decoration
- Floor
- Structure
- Building Materials
- Accessories
- Clothes

Eco rank

0 1 2 3 4 5 6 7 8 9 10

Price (US\$)

0 500 100

Potentially for

- Furniture
- Packaging
- Ceiling
- Wall Decoration
- Floor
- Structure
- Building Materials
- Accessories
- Clothes

> ARCHITECTURE & DESIGN FEATURES

> TEXTILE FEATURES

> ENGINEERING FEATURES

To enable the circular economy Miniwiz has turned a decade of materials engineering research into open access knowledge. Search the database to discover materials made from trash and their properties.

>> [access tutorial to learn how to use our search tool](#)



CIRCULAR CONSTRUCTION



“DESIGNED FOR SECOND LIFE”

CONSUMER PRODUCTS

Water Purifying LED
SolarBulb
ABS from Computer Casings



12,000X



Portable Power, Wind & Solar Based
HyMini
ABS from Computer Casings



30,000X

GPS Charger, Dynamo Powered
ReCharge
TPR from Cable Cords



6,000X



Multi Purpose Clip
PolliClip
Poly Propylene from Cosmetic Containers



8,000X



Wine Case
ReWine
Poly Propylene from Bucket Seats



7,000X

iPhone 5s Case
Jackie Chan x Miniwiz
Poly Propylene from Cosmetic Containers
TPR from Cable Cords



2,000X



iPhone Case
Bluevision iPhone Case
Poly Propylene from Cosmetic Containers
TPR from Cable Cords



2,000X



Sunglasses
ReView
PC from CDs & DVDs



2,000X



IT IS WISE TO MINIMIZE



Packaging Solutions

BRAND ACTIVATIONS



AEROSTATIC DOME - Milan



FLYKNIT PAVILION - Shanghai/Beijing



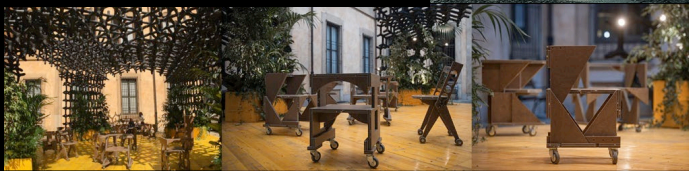
ANYTHING BUTTS - Milan



NIKE LAB - Hong Kong



NIKE LAB - Paris



NIKE LAB - NYC



NIKE AREA 13 - Taipei

ARCHITECTURE



EcoArk - Taipei



STDI E-WASTE RECYCLING PLANT - Taichung



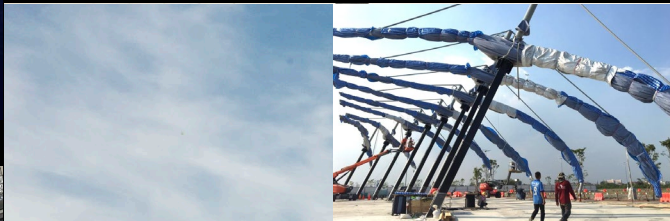
JC HOTEL - Beijing



PRIVATE RESIDENCE - Taipei

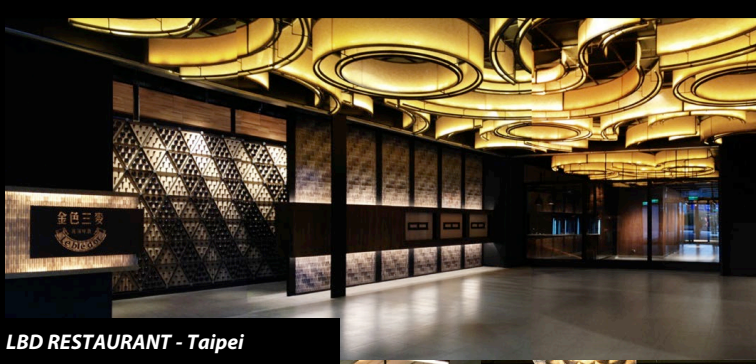


JC ACADEMY - Beijing

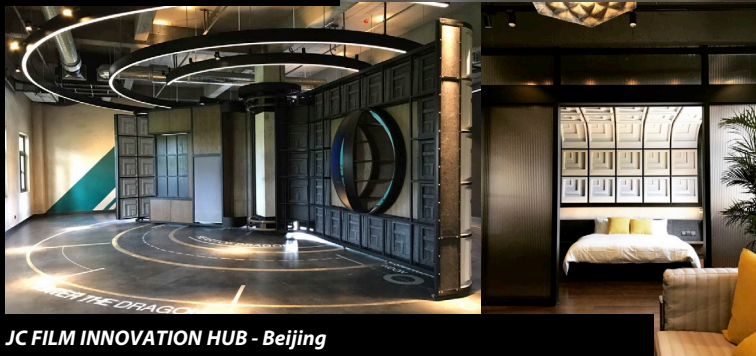


SKYWING PAVILION - Bangkok

ARCHITECTURE



LBD RESTAURANT - Taipei



JC FILM INNOVATION HUB - Beijing



JC GROUP HQ - Shanghai



IQOS EMBASSIES - Italy



JCST TRAINING CENTER - Beijing



NIKE OFFICES - Tokyo



NIKE WD+C - NYC

INFRASTRUCTURE



SDTI E-Waste Recycling Infrastructure with Façade and canopy system made from old computers



Taipei City's Food Waste to Bio Ethanol >>>bioPET Infrastructure



DaFung International Refuge Collection / CAR recycling Infrastructure completion 2018



TRASHPRESSO

MOBILE TRASH UPCYCLING PLANT



TRASHPRESSO | TIANJING

The revolutionary mobile recycling factory, designed as a dramatic re-interpretation of Miniwiz's groundbreaking upcycling technology, was showcased at the Jackie Chan Training Center to celebrate Jackie Chan Stunt Team 40th Anniversary.



TRASHPRESSO | LONDON

A sleek white TRASHPRESSO unit was custom made for the launch of our new furniture brand. The units were installed at the iconic Somerset house as part of the London Design Festival 2017. Over the course of the week visitors brought plastic waste that was transformed onsite into tiles. The white tiles were placed on black spheres, symbolizing how eco-conscious consumption choices can leave a positive imprint on our planet.



TRASHPRESSO | QINGHAI

After 3,000 kilometers long journey, the MINIWIZ Team collaborated with local residents and nomads turn modern trash left by tourist into scalable, market-value building material at the altitude of 4,500 meters in the first county of Lancang River - Zaduo County.



TRASHPRESSO | MILAN

A slick white TRASHPRESSO travelled across the sea from London England to Milan Italy, and participated in the square of Castello Sforzesco for Milan Design week 2018. The MINIWIZ team used coffee cups and cutlery from local plastic waste that was transformed on-site into tiles. Demonstrating our philosophy and teaching visitors the importance of the economic cycle.



TRASHPRESSO

Qinghai, China

Materials Used



PET

PP

PC



Drink Bottles

Manuf. Technology Used



Injection



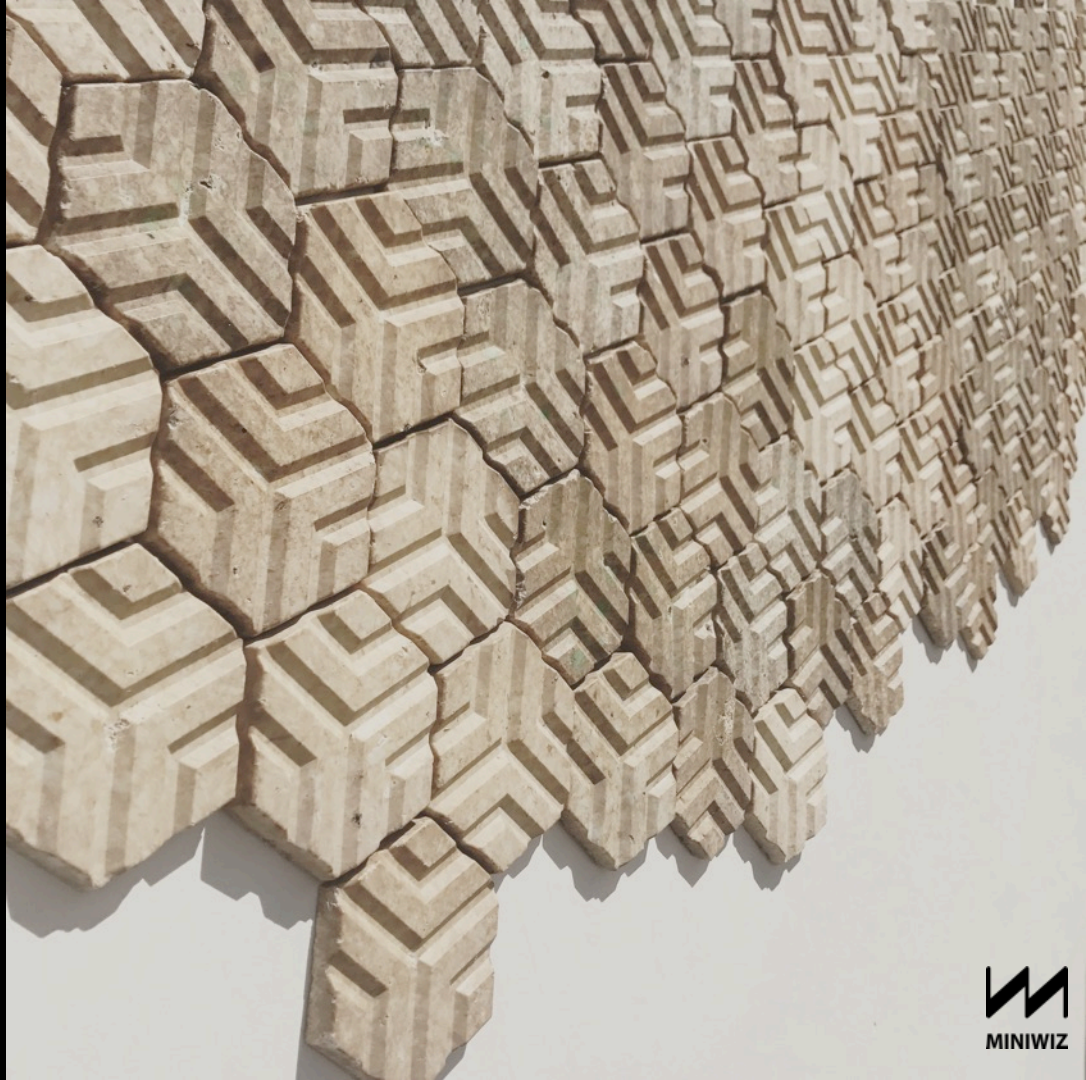
Non woven

PRODUCT



TrashPresso outputs an unique, marble-like tile which can be used in both interior and exterior wall and floor finishes, targeted \$300-\$400 USD p/m².

The 100% recyclable tile can continue to be remanufactured into a variety of premium products including textiles, packaging, engineering parts, etc.



House of Trash

Milan



CUSHIONS
made from recycled plastic bottles

ARMCHAIR (cover)
made from recycled plastic bottles

VASE/GLASS
made from recycled smartphone screens

ARTWORK (base)
made from cardboard boxes

SOFA (cover)
made from recycled plastic bottles

SIDE TABLE
made from recycled Nike shoe soles

BOWL
made from recycled smartphone screens

COFFEE TABLE (top)
made from recycled plastic bottles
and recycled aluminium cans

COFFEE TABLE (top)
made from recycled Starbucks plastic cups

ALL YOU NEED IS YOUR HANDS .

BENCH (seat)
made from recycled plastic bottles

BENCH (feet)
made from recycled food packaging

CARPET
made from recycled Eileen Fisher sweaters

House of Trash

Milan

ALL YOU NEED IS YOUR HANDS .

House of Trash

Milan

DISCOVERY
THE ART OF PROGRESS DESIGN MATERIALS FOR THE FUTURE
IT'S ALL HERE. THERE'S A BOLD LINE IN REINFORCING DESIGN. THERE'S A BOLD LINE
IN DESIGN AND WITH DESIGN MATERIALS. THERE'S A BOLD LINE IN THE FUTURE
OF THE ART OF PROGRESS.



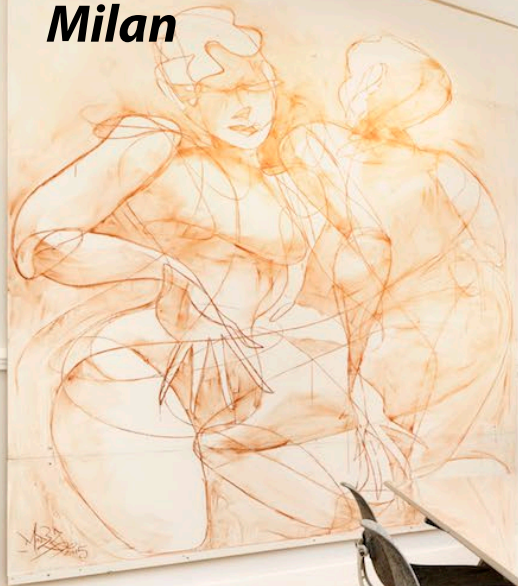
House of Trash

Milan



House of Trash

Milan



WORKING TOGETHER,
WE CAN DESIGN OUR WAY OUT OF DISASTER.

“YOUR CONSIDERED CONSUMER DECISION MATTERS”