

METALS

MATERIALS FOR INSPIRATIONAL DESIGN Chris Lefteri

Foreword by Ron Arad

Humanufacturing

Once separated from any additives, many metals can be reused and recycled in countless forms. Designer Boris Bally not only embraces metals for their sustainable qualities, he also ensures that their former life is respected in the new forms that he creates. He calls the process of making these aluminum chairs "Humanufacturing", as they are handmade from collected scrap, and require only light equipment to form.

Ingredients

- 99 percent recycled metals
- Virgin metals
- Steel fasteners
- Aluminum tubes

Method

- Bally selects scrap signs for their imagery, condition, material, thickness, and surface
- Blanks are traced with a template and cut to size with a metal bandsaw
- The parts are shaped using a small brake press. Holes are drilled and edges de-burred. The tongue-and-groove pattern in the seats is shaped with a jigsaw and jeweler's files
- Screws are inserted and the parts aligned. The feet are cut from tube and turned on a small lathe. Champagne corks are slotted in and the tubes are fixed to the legs
- The chairs are taken apart and each component is scrubbed by hand
- Parts are inspected and stamped
- Final de-burring, then spray and seal
- Parts are re-assembled, inspected for fit, then taken apart and packed in a recyclable cardboard box ready for shipping



Dimensions	200mm high x 406mm wide x 533mm deep
Key Features	Recycled waste material
	Low-tech production
	Handmade
More	www.borisbally.com
	www.snagmetalsmith.org
Typical Applications	Aluminum is recycled in many forms, large amounts of which are melted and reformed

New Transit chairs
 Designer: Boris Bally
 Date: 2000

