

3D CONCRETE PRINTING TECHNOLOGY NEW DIMENSIONS IN DESIGN

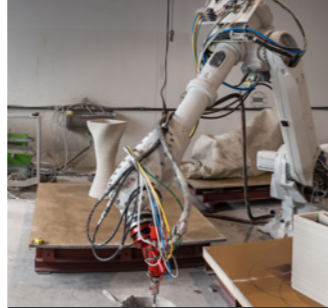
 **betondruck**
SOLUTIONS



DEAR LADIES AND GENTLEMEN,

With the use of special concrete the innovative technology of 3D printing has reached a new dimension. The company 3D Betondruck Solutions, rooted in construction trade, has been a pioneer in this field. Based on intensive development work they started realizing various solutions for indoor and outdoor areas. The range of possibilities rapidly grew by means of new creations for the retail trade and special functional furniture. The much-admired performance at the leading global trade fair EuroShop 2020 in Dusseldorf and the premiere of the outdoor hygiene dispenser Lamatu-20

have been milestones of this development. However the range of applications for 3D concrete printing technology is almost unlimited. This new brochure illustrates examples out of various categories. It's mainly addressed to creative architects, designers and builders in the public, commercial and private area requiring special design and high quality. Let yourself be surprised by the unlimited possibilities and options of our 3D concrete printing technology.



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3D CONCRETE PRINTING TECHNOLOGY

NEW DIMENSIONS IN THE DESIGN

For designers and architects and their clients 3D concrete printing technology is setting new standards for designing and shaping concrete. Standards even offering an amazingly climate-neutral background. 3D concrete offers a wide scope for creative and uniquely ergonomic and aesthetic solutions. Indoors and outdoors. Thus the persistent “concrete trend” in architecture is getting another attractive facet.

3D Betondruck Solutions has been an international pioneer in in this area. A specially developed CAD software, special 3D printers as well as the original 3D concrete are essential ingredients. High printing speed enables precise production of various concrete objects in a short time. Clear advantages compared to conventional concrete technology are a free design vocabulary and significantly lower weight of the created objects, provided by intelligent 3D design.

Several selectable, patterned surfaces or „washed out“ shapes provide a special haptic feeling. Further individual accents are set with different coloring of the concrete. Complemented by materials such as wood, metal or glass, design-defining objects are created, perfectly fulfilling functional requirements. Another unique extra for outdoor use is the possibility to fit up (seating) furniture with heating or cooling.



“Pioneers in
the field of
3D concrete





Ideas for cities and urban surroundings



IN PUBLIC SPACE

URBAN OUTFIT DESIGN OF THE EXTRA CLASS

With an appealing design of public space, places become a popular attraction for visitors from near and far. They will appreciate the comfort offered and stay longer. Attractive, vibrant inner cities therefore do not delight guests only, but also gastronomy and commercial enterprises.

The 3D concrete printing technology offers excellent precondition for creating such „feel-good zones“ with simple means. Creative architects' and designers' appropriate ideas for urban-outfit-design of

the extra class can be realized nearly unlimited. The range of possibilities suits inviting outdoor furniture, coherent art and design objects, functional objects, such as e-charging stations in a corporate design outfit. Heated or cooled such solutions know no season.



Thanks to 3D concrete printing technology there are no limits for creative architects' ideas and phantasies. This applies to extraordinary art and design objects as well as to elegant e-charging stations in a corporate design outfit.



OUTDOOR HYGIENE DISPENSER LAMATU

A PRODUCT ON THE PULSE OF TIME

With the outdoor hygiene dispenser LAMATU-20 and its smaller version LAMATU-18 3D Betondruck Solutions introduced a top world first to the market. This product is on the pulse of the time and supports responsible municipalities in protecting their citizens from outdoor contagion. The hygiene dispenser impresses with its sympathetic appearance, its sophisticated technology, its ease of use and the low maintenance re-

quirements. LAMATU's organic shape and velvety yet robust surface also makes a great visual impact. In combination with stainless steel the innovative technology of 3D concrete printing also guarantees a unique and sustainable solution. You can find our informative brochure on www.3dbetondrucksolutions.at for download.



The outdoor hygiene dispenser LAMATU-20 celebrated its premiere at the main square in Amstetten. On the picture you can see the mayor Christian Haberhauer and the LAMATU-designer Stefan Umdasch.

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**Literally a
hygiene factor**



EUROSHOP BAR



3D CONCRETE PRINTING FOR GASTRONOMY & HOTEL BUSINESS

UNLIMITED FREEDOM

The free design language and its individual possibilities also form the ideal prerequisite for creating prestigious solutions for hotel industry, gastronomy and for entire event area – indoors and outdoors. Thematization and sensual staging are a worldwide trend. The so-called „storytelling“ by telling stories with help of visual means. For the realization of innovative ideas the 3D concrete printing technology is an essential enrichment. For example, for individual styled reception areas, foyers and lounges, up to exclusive bar furniture and for the design of idyllic parks.



Storytelling with
3D concrete
printing



For the realization of innovative ideas the 3D concrete printing technology is an essential enrichment. For example, for individual styled reception areas, foyers and lounges, up to exclusive bar furniture and for the design of idyllic parks.





Unique and
unmistakable



LOUNGE FURNITURE FOR INDOOR AND
OUTDOOR AREAS

THE STAGE IS YOUR'S!

Individually designed seating furniture, tables and other lounge furniture in 3D printed concrete provide a spacious and unique aura for living areas.

Art objects such as vases and sculptures can support this appearance in a tailor-made manner. The same applies to gardens and parks, which will get a special character.



Heated outdoor furniture provides a special feeling of well-being even on cold days.

NEW IMPULSE FOR RETAIL ARCHITECTURE

THE ART OF STAGING

The appearance of 3D Betondruck Solutions at the EuroShop 2020 in Düsseldorf attracted huge attention. It was impressively illustrated how concrete printed furniture can support interesting visual merchandising concepts. It became clear, that the striking design language of this 3D concrete printing technology can provide a unique face for stores and shopping centers. This is "The art of staging" at its highest level, which already has been implemented at various projects by now.

The range of shop furniture in 3D concrete printing is extensive and creates new facets in combination with materials such as wood, glass or metal. The selection is made up of sales tables, pedestals, shelves and gondolas with fittings up to complete shopfitting systems. The imagination knows no limits.

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Visual merchandising at its highest level





The wave-shaped design of wall shelves and other presentation furniture with 3D concrete printing technology is unique. These creations establish an outstanding design character, which enable an unmistakable appearance above all for exclusive brands.

SERVICES

THE PERFORMANCE SPECTRUM OF 3D BETONDRUCK SOLUTIONS

The professionals of 3D Betondruck Solutions offer a full service with planning and realization of individual ideas for indoors and outdoors. In a guide, that is specifically aimed at architects and planners, all essential technical information necessary for all kind of 3D concrete printed solutions is clearly depicted. The scope of application for creations of 3D concrete printing ranges from exclusive interior design to individual arrangements of gardens, parks and wellness areas.

3D concrete printing solutions are especially interesting applications for retail business, retail brands, shopping centers, gastronomy and hotel business, for event-locations, foyers, lounges, museums and for all architects, designers working for these segments. Existing practical applications are: shelves and midfloor furniture, cash desks, reception desks, lounge furniture and brand sculptures ...

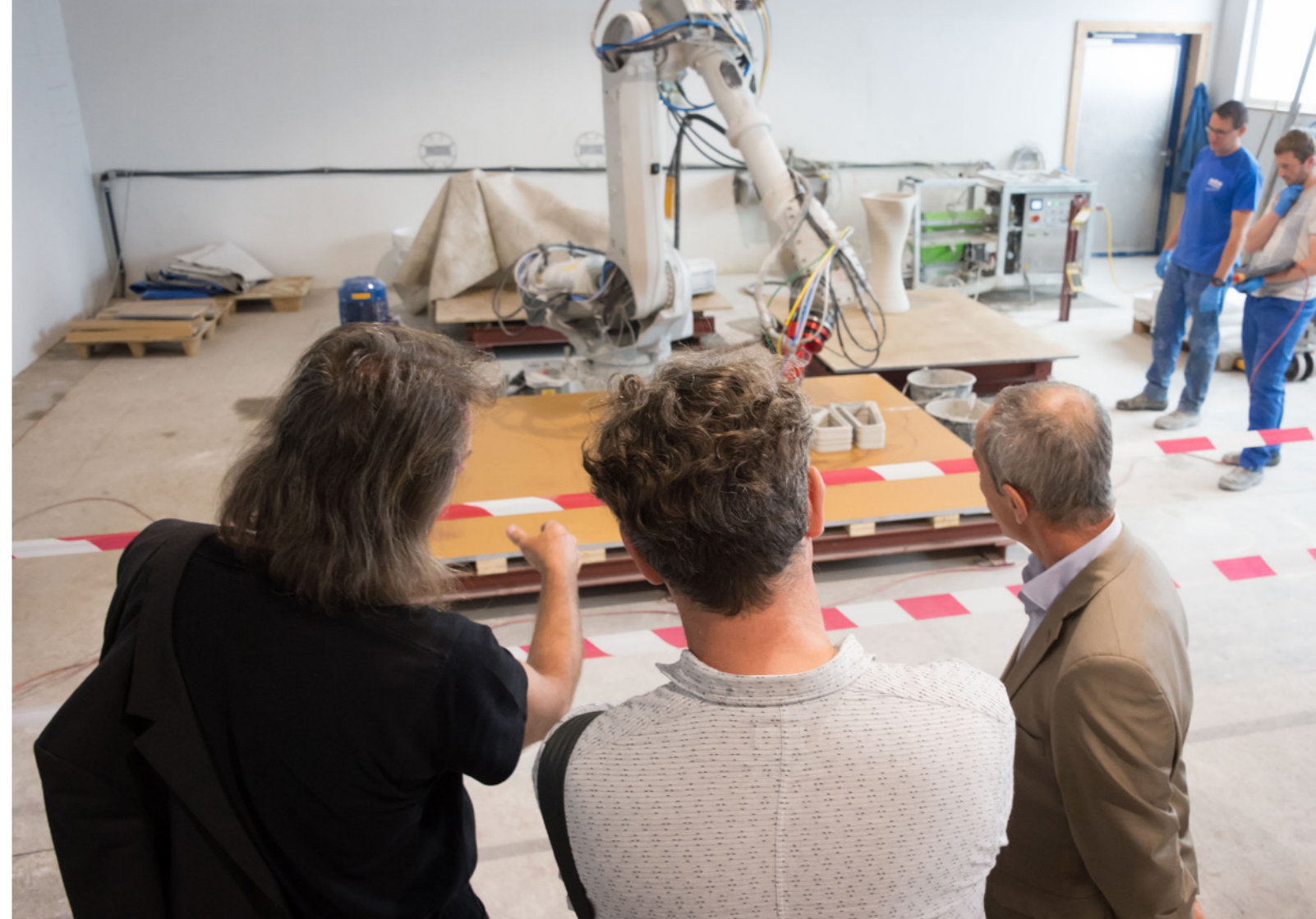
The professionals of 3D Betondruck Solutions are not

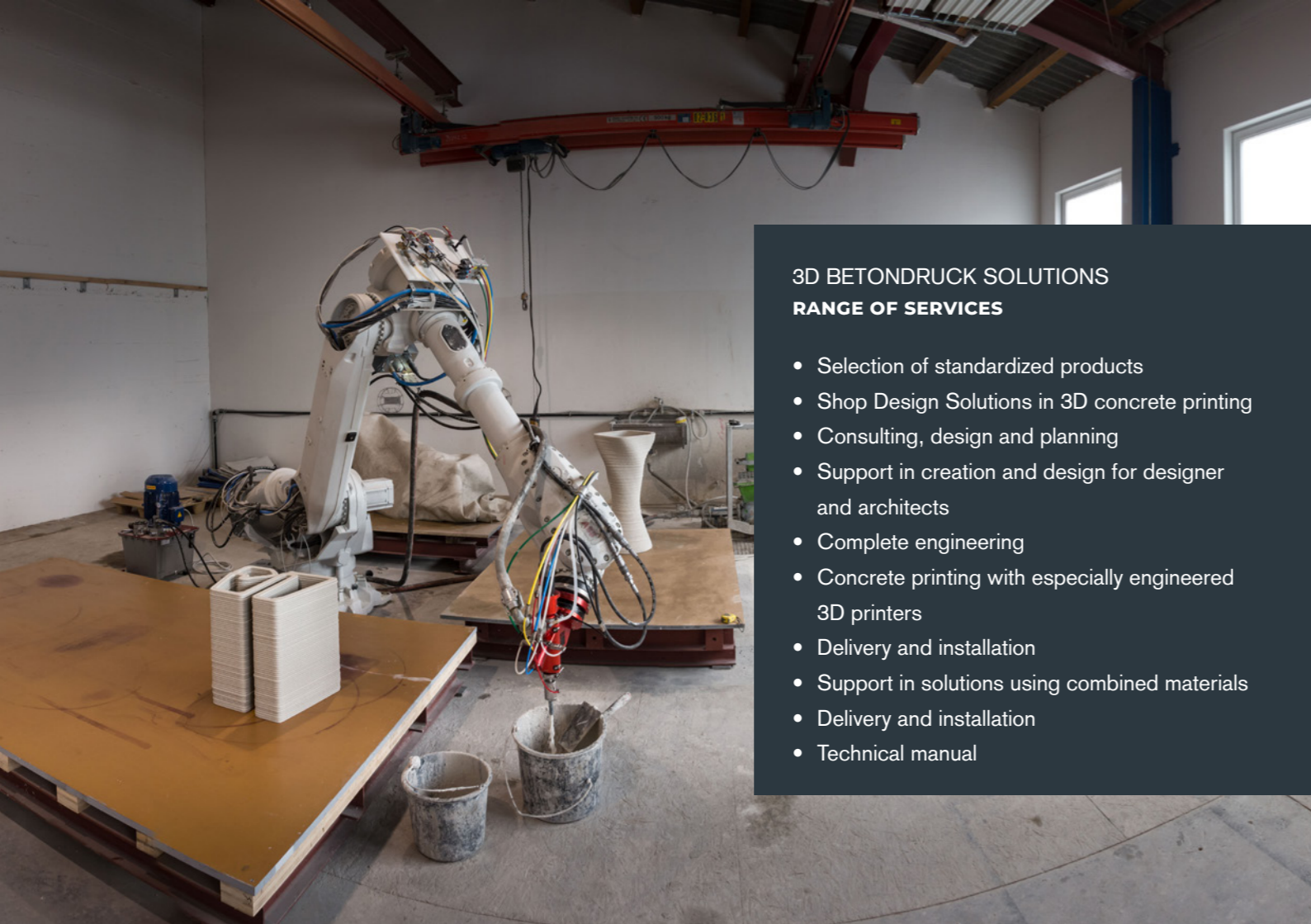
only available in the planning phase, but they are also at your disposal for helping at all other tasks for the necessary engineering.

The 3d concrete printing itself takes place in Oberwang (Upper Austria), location of the plant.

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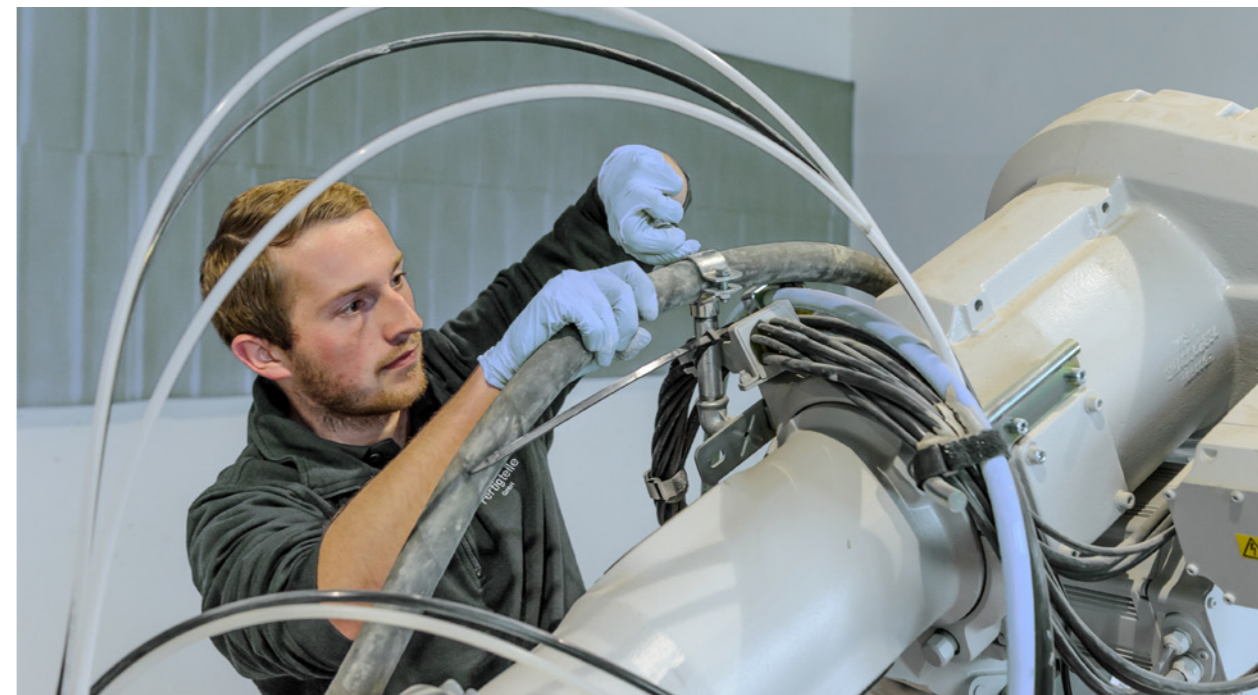
Anything goes!





3D BETONDRUCK SOLUTIONS RANGE OF SERVICES

- Selection of standardized products
- Shop Design Solutions in 3D concrete printing
- Consulting, design and planning
- Support in creation and design for designer and architects
- Complete engineering
- Concrete printing with especially engineered 3D printers
- Delivery and installation
- Support in solutions using combined materials
- Delivery and installation
- Technical manual



BACKGROUND

THE PROTAGONISTS OF 3D BETONDRUCK SOLUTIONS

Arndt Traindl, Martin Staudinger and Stefan Umdasch are the protagonists and shareholders of the young company 3D Betondruck Solutions. They all contribute comprehensive know-how in their very own field of activities. In addition an experienced team of professionals in various disciplines are at your disposal.

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**Professionals
from different
disciplines**



ARNDT TRAINDL

Mag. Arndt Traindl is Managing Director and shareholder of retail branding GmbH in Amstetten/Lower Austria. retail branding is a highly specialized consulting company, focusing on the development of comprehensive retail concepts (in German-speaking countries and in Eastern Europe with focus on Russia). Traindl is considered as an experienced retail and shop fitting expert and is internationally known as a neuromarketing pioneer. He is the Managing Director of 3D Betondruck Solutions and responsible for sales and marketing.



MARTIN STAUDINGER

BSc Martin Staudinger is Managing Director at uniQum GmbH in Oberwang in the Upper Austrian Salzkammergut. For years Staudinger has been working intensively on further development of 3D concrete printing technology producing exclusive design furniture made out of 3D-printed concrete. A sound background of uniQum is the family-owned company STS Fertigteile GmbH. uniQum has been a pioneer in 3D concrete printing. At 3D concrete Betondruck Solutions, he is responsible for technology, logistics and manufacturing.



STEFAN UMDASCH

Mag. Stefan Umdasch, MBA, is the owner of the Stefan Umdasch Design KG, Vienna and Amstetten. He studied Industrial Design at the University of Angewandte Kunst in Vienna at Paolo Piva. 1993 he founded his first own office with focus on product and Interior design. His references are manufacturers such as Riedel Glas, Nachtmann-Spiegelau, Theresiental, Wittmann, Swarovski and well-known interior design and exhibition projects. At 3D Betondruck Solutions he is responsible for design and the product development.



by uniQum

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