



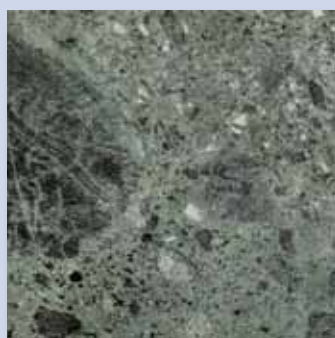
# Pictocer HD

## Ceramic Lab Printer



Durst Pictocer HD is a compact digital ceramic inkjet printer which uses pigmented ceramic inks for firing temperatures up to 1250°C and therefore the ideal printer for different small run printing applications, such as:

- Developing new ceramic tile designs at design bureaus and ink manufactures
- In-house developing and testing new designs/products at ceramic tile manufacturing companies with High-Performance Digital Printers (such as Durst Gamma) in operation at their main stream factories.
- Third fire applications (ceramics and glass decoration)
- Printing small runs and custom products, photoceramics, etc.

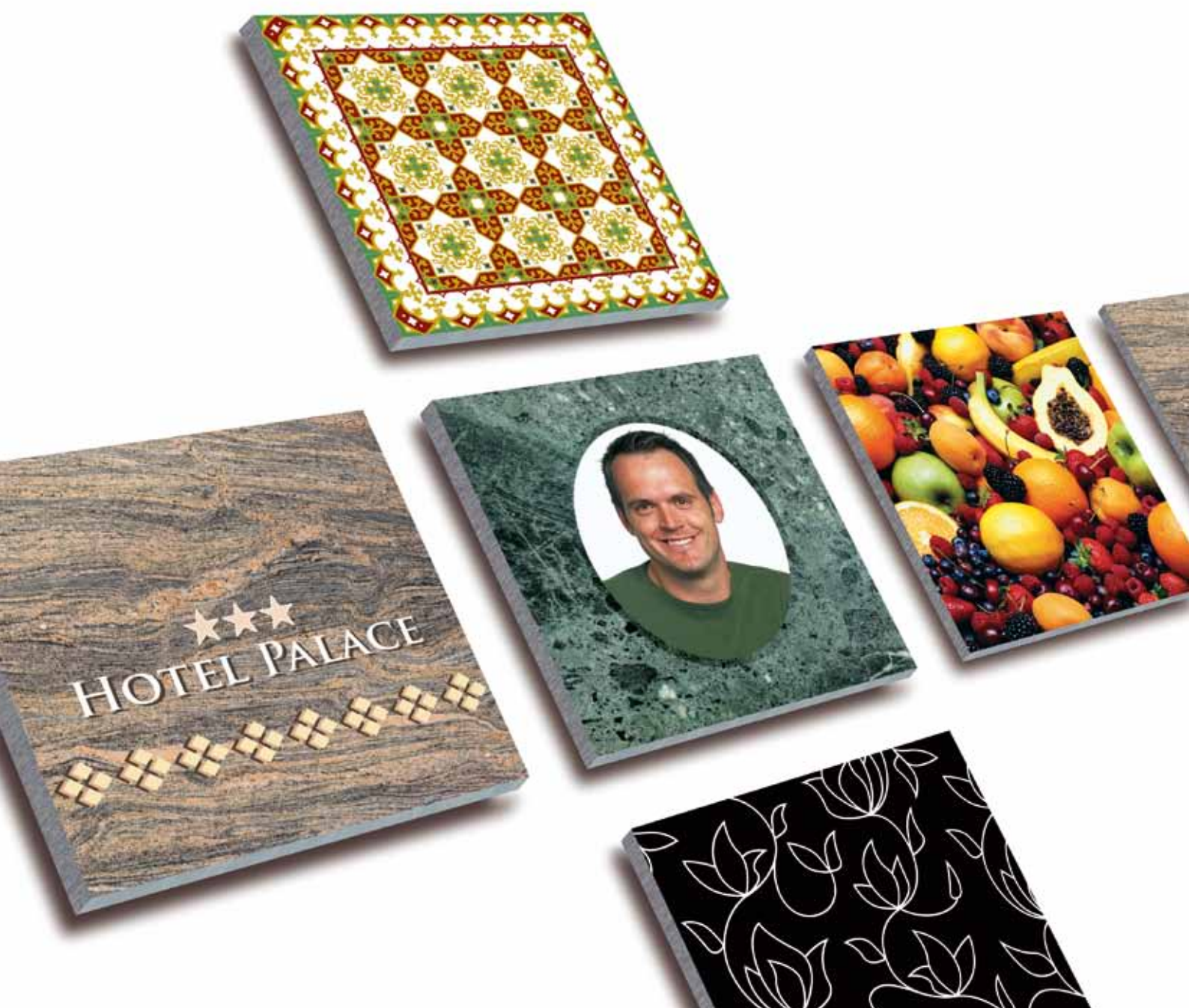


## Digital ceramic inkjet print

Durst Pictocer HD uses exactly the same pigmented ceramic inks as used with Durst Gamma, the new standard for the digital decoration of ceramic tiles and used by all the leading ceramic tile manufactures in the world. By using the same inks Durst Pictocer HD can simulate the final ceramic tile, such as floor and wall and tiles (porcelain, single and double fire) as well as decorative listellos produced afterwards with Durst Gamma and anticipate the production costs.

The unique continuous tile transport system allows to decorate different type of ceramic products and tiles from very small decorative trim pieces (listellos/photoceramics, etc.) without any size limitations and up to a max. thickness of 50mm.

To assure a reliable, long-term operation the Durst Pictocer HD features a permanent ink recirculation in the ink circuits and print heads with automatic maintenance cycles, proven in more than 100 Durst Gamma printers in operation.



### Key Advantages/Benefits:

- Continuous transport system with hand fed manually pre-loaded trays to easily handle small and larger parts without size restrictions and limitations
- Max. printing width of 155cm (61 in.) by any length
- Maximum tile or trim piece thickness: 50 mm (1.98 in.)
- Main ink tank capacity of 1.5 Liters (0.4 US gal) to assure always fresh ink also with small runs and sporadic operation
- Same ink set as Durst Gamma
- Permanent ink recirculation in all ink circuits and the print heads with automatic maintenance cycles for long-term reliability
- Productivity of approx. 7-10 m<sup>2</sup> per hour
- Patented „Ringaround“ function for fast and automated testing for new designs and when repeating jobs, thanks to the Durst proprietary and patented On-the-fly image processing technology
- Integrated ink cost and ink consumption calculation per design and sqm to anticipated the production costs for a new product prior to start production



Photoceramics



Porcelain House Numbers



Mosaics



Developing new ceramic tile designs



# Technical Data

## General Specifications

### Power Supply:

Single phase +N + PE 230 V (+/- 10%) 3,7KVA  
50Hz,  
Max. Ampere: 16  
Max. Power Consumption: 3,7KVA 50Hz  
Average Power Consumption 1,5KVA  
Power Outlet Protection: 2x16A

### Dimensions (L x W x H)

**Without front and back tables:**  
3800 x 1250 x 1800mm (150x49x71 in.)

### With front and back tables:

3800 x 4050 x 1800mm (150x160x71 in.)

### Space requirement (Pictocer with tables):

Min. 6 x 4m (20x13 ft)

### Weight:

Approx. 1800 kg (4000 lb) divided to 4 legs  
(without tables)

### Safety Standards:

complies with currently valid guidelines

## Printing Specifications

### Printing System:

Flatbed printer/plotter with patented Durst  
Durst HD – High Definition Technology

### Printing modes:

Simulation of different printing technologies/  
print qualities:

- Durst Gamma 60/70 – High Speed & High Quality Printing Technology
- Durst Gamma 75 HD – High Definition Variable Dot Contone Technology @ High Speed
- Pictocer proprietary printing quality

### Resolutions:

Max. resolution 400x600 dpi

### Colors:

4, 5 or 6 colors at your choice and upgradable

### Inks:

Special, Patented Pigmented Ceramic Inks for decorating floor and wall tiles, as well as third fire applications. Same inks as used with Durst Gamma

### Firing Temperatures:

From 500°C to 1250°C depending on glaze used

### Main Ink Tank Capacity:

1.5L (33.8 fl oz (US) per color

### Ink Supply:

Ink supply system designed for continuous, non-stop operation with user-friendly refill system.

### Software:

Proprietary and patented 64 Bit LINUX based Durst Pictocer HD software with intuitive workflow and sophisticated, powerful job preparation and print controls for fast and easy operation.

### Native File Format:

CMYK-TIFF

### Productivity:

7-10 m<sup>2</sup>/h (75 – 108 sq ft)

## Media Specifications

### Ceramic Tile Types:

Wall and floor tiles (ceramic and porcelain tiles) in form of

- Green tile bodies (monocottura – fired once)
- Fired bisque (bicottura – fired twice)
- Ceramic trim pieces – Listello (terzo fuoco – third fire)

### Tile Thickness:

5 to 50 mm (0.2 – 1.96 in.)

### Max. weight-loaded:

70kg (155 lb) distributed on printing plate

## Environmental Requirements

### Temperature Range:

+15°C to +30°C (+59°F to 86°F) without tile condensation

### Relative Humidity:

25-80 % non condensing



# durst

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