

## GCH – Technical data

**Customer** Hevel

**Address** RU-Novocheboksarsk

General characteristics

**Machine type** Glass high quality cleaning system

**Manufacturer**– Schmid GmbH

**Delivery date** CW 06/2009

Dimensions

**Length (mm)** 8200

**Width (mm)** 3300/2220/1945/1730

**Height (mm)** 1090

**Max. operational width (mm)** 1320

**Operational height (mm)** 900 +/- 15

**Operation direction** from left to right

Power supply

**Operational voltage (V / Hz)** 400 V / 60 Hz

**Control voltage (V)** 24 V DC

**Total switched power (kW)** 69 kW

**Total switched current (A)** 160 A/phase

Emission

**Noise level (measured acc. to DIN 45635 on a stand-alone machine)**

**(dB(A))** 74,9

Drive

**Conveyor speed (m/min)** 0,2 – 6



## 2. General description

The brushing machine is a fully automatic system that can be used as follows:

- Cleaning glass plates.
- It is done horizontally from the lying workpieces. The workpieces themselves determine the entire workflow, which is controlled by a programmable microprocessor.

The modular design of the brush machine consists, as a rule, of the following components:

- Roller feed
- Brush station
- Flushing unit
- Drying device
- Roller unloading device
- Separate control cabinet

A control cabinet is located close to the machine. The feed speed of the machine can be continuously adjusted using a control potentiometer in the range from 0.2 to 6 m / min and controlled using the corresponding digital indicator.

The brushing machine of the **combi-brush** series, while maintaining the same working width, is fully integrated into all Schmid equipment.

The loading and unloading can be done manually or in combination with all the Schmid manipulators. The length of the modules is from 625 mm or many times longer, which allows you to accurately adapt the machine to customer needs and production needs. Retrofitting, modernization or separation of the machine can be made any time. Only high-quality PVC and stainless steel are used as processed materials.

During processing, the workpieces are transported between the rotating rolls. The brush pressure can vary depending on the distance between the brush and the workpiece. For each purpose, you can use brushes from different materials. The brush replacement device allows you to change brushes quickly and effortlessly.

The existing washing module and tank module allow the use of combined flushing with clean water, circulating water and cascade (back) flushing. Large tank modules use the same pumps as brush modules.

The dryers used are equipped with high-performance fans and optionally by thermostatically controlled air heating, so they are designed for high feed rates.

All modules are delivered in two operation directions.

