

POWER-PIN 7605 dynamic



table of contents

BASIC MACHINE	5
TECHNICAL DATA	6
MACHINE OPERATION	6
SOFTWARE	6
CAMPUS software license for the office	6
DIGITALISATION	7
CONTROL SYSTEM	9
DRILL AGGREGATES	10
MACHINE ELECTRICAL SYSTEM	12
EQUIPMENT VARIANTS AND ACCESSORIES	12
PACKAGING	12
SERVICE	13
GUARANTEE	14

POWER-PIN 7605 dowel inserting machine

BASIC MACHINE

Introductory price POWER-PIN 7605 dynamic
Valid until 30 September 2023!

5077152 **BASIC MACHINE - POWER-PIN 7605 dynamic** 40.000



Machining center for drilling and dowel insertion.
Highest flexibility and universal application range with smallest space requirement.

State-of-the-Art industrial design, built from high quality components.

Machine frame in welded construction with ground and hardened prismatic guides.

Ergonomic operation and perfect access to the tools.

Material support with 3 stop rulers pneumatically timed for machining up to 4 workpieces of the same material thickness in one clamping.

Divided **pressure beam** for secure fixing of the workpieces. Ideal for pendulum machining on the left and right working fields.

Program-controlled setting of the workpiece thickness for the pressure beam.
The pressure beam is split in the middle for efficient pendulum loading.
Material thicknesses 14 to 60 mm possible.

Delivery incl. 1 piece carbide dowel drill,
Ø 8 mm x 70 mm
Clockwise rotation for horizontal drilling unit for start-up of the machine.

For running-in the machine with glue, suitable adhesive with a viscosity of 150 to 350 mPas must be provided by the customer.

Safety cover according to CE-regulations
Circumferential machine cover with safety interlock on the machine hood

TECHNICAL DATA

Workpiece length:

Min. 60 mm

Max. unlimited - Limited to 2600 mm when workpieces are placed against the stops in field A and field D.

Workpiece width:

Min. 150 mm for horizontal machining

Min. 150 mm for vertical machining

Workpiece thickness:

Min. 12 mm Max. 60 mm

Machining dimension in X-direction: 1300 mm with all aggregates.

Machining dimension in Z direction: 5 - 55 mm

Drilling depth in Y-direction: 0 - 48 mm horizontal

MACHINE OPERATION

SOFTWARE

5076607 **CAMPUS V7 POWER-PIN CAD/CAM software 1x license**

1 ea. software license secured via dongle.

CAMPUS V7 POWER-PIN, software for CNC machining centers

Consisting of:

1. **CAMPUS NC-HOPS**
2. **CAMPUS aCADemy**
3. **CAMPUS MT-Manager**
4. **CAMPUS Workcenter multi**
5. **CAMPUS Automatic processing scenes**

CAMPUS NC-HOPS

Variant graphics system with WOP and CAD/CAM properties for creating parts variants using macrotechnology

CAMPUS software license for the office

5076607 **CAMPUS V7 POWER-PIN CAD/CAM software 1x license**

2.260

1 ea. software license secured via dongle.

CAMPUS V7 POWER-PIN, software for CNC machining centers

Consisting of:

1. **CAMPUS NC-HOPS**
2. **CAMPUS aCADemy**
3. **CAMPUS MT-Manager**
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CAMPUS NC-HOPS

Variant graphics system with WOP and CAD/CAM properties
for creating parts variants using macrotechnology

DIGITALISATION



5062349 **WEINIG App Suite is a smart App with real added value**

360 *

The functions of the WEINIG App Suite help to monitor the machines in real time and make better decisions thanks to the increasing transparency. The connection to the cloud database provides information about current orders, operating data, service intervals, downtimes, and optionally critical sensor data - completely independent of time and location. Data transfer between the machine and the cloud is carried out according to current security standards. With the App Suite, you are ideally connected to the WEINIG world and its digital services. The App Suite can be used simultaneously as a browser version and as a mobile App for all current computers, smartphones and tablets.

Before use, independent registration is necessary at weinig.app or holzher.app or by downloading the app from an app store.

Monitoring with viaCockpit - 12 months runtime

Before the end of the period, you will receive an offer for a paid extension of viaCockpit. The current price for 12 months per connected machine is 360,- €.

Maximum plant availability is at the top of the priority list. Production analysis and optimization are therefore essential. The monitoring functions of the WEINIG App Suite enable a digital all-round view of production at any time and from anywhere. For example, status data, machine messages, operating data or optionally critical sensor data can be viewed.

Our App Suite with viaCockpit - excerpt of your advantages

- Reduction of costs and downtimes, ... with viaMonitor
- Increase machine availability by detecting frequent causes
 - of malfunctions with viaNotify
- Overview of order history and quick knowledge of production progress with viaOrder
- Extend machine life with digital maintenance manual from viaMaintain
- Key productivity figures such as units produced,

- linear meters, ... with viaCondition
- Always and everywhere stay informed about the current situation of the machine with viaNofications



Appendix Weinig AppSuite

5067020 Connectivity with the viaConnector Edge - 12 months term

500 *

The viaConnector Edge is the link between your machines and software solutions. It offers comfortable access to your machine data and provides it in your chosen destination. Destinations can be CSV-documents, SQL databases, or your own cloud. The transmission is event based, so your data is transferred as it occurs. The contract period is at least 12 months and can be extended at any time.

The following machine data is provided

(scope varies depending on machine type)

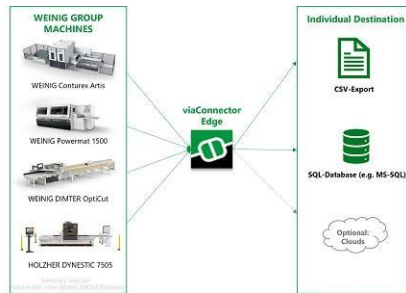
- Operating data
- Machine status
- Order data
- Machine messages
- Maintenance components

Our viaConnector Edge - your advantages

- Transfer of machine data from your machine(s)
- Individual target system selection, such as CSV files, SQL databases, etc.
- No internet connection needed, a local network is sufficient
- Independent further processing of raw machine data in third-party systems, such as ERP systems, Microsoft Excel, Microsoft Power-BI, etc.
- Suitable addition to the WEINIG App Suite (already visualized machine data)

Attention

In order to be able to claim any subsidies or tax benefits relating to digitization, Industry 4.0, IoT or similar, it is essential to ensure that the machine is connected to the company's ERP system. The exact conditions must be taken from the corresponding application for funding. It is the responsibility and care of the customer to confirm that this connection is guaranteed. Weinig ensures the technical prerequisite that the machine meets the basic requirements and is therefore prepared for the connection.



Only in connection with WEINIG App Suite!

CONTROL SYSTEM

Incl. **ECO-MODE** - time-controlled shutdown of drive and control components to save energy



5076770 Windows based Industrial-PC controller
WIN 10 IoT LTSC (long term support channel) 64 Bit
Intel Core i5-8500 - 3,00 GHz
8 GB RAM
256 GB M2 (NVMe SSD)
24 V DC Industry Standard

Remote maintenance:

Network interface card for the transmission of control data and program data. Data transmission is by Internet. Required is an internet access at the machine. Use of this facility when required during the validity period of the guarantee is free.

5076241 21.5" 16:9 touch screen
- **capacitive multitouch screen for intuitive operation**
- continuous glass surface
- incl. wired QWERTY keyboard and mouse

5076546 Automatic program selection for measuring the workpiece width in the machine via light barriers. When a pre-programmed workpiece width is detected, the appropriate program is automatically loaded. In field A and D, 5 different widths can be stored variably.

935

5076261 MOT3 package for the horizontal drilling unit and the split pressure beam (ST42).
Motorized adjustment of drilling depth and drill position above the support table.

Automatic presetting of the pressure beam to the material thickness from the machining program.

- 5076406 **LED rail ZB81** 1.160
for error prevention by displaying the workpiece width to be machined and the fence to be used.

USB Connector for data protection (backup) and / or direct input of processing data at the control panel



- 5073070 **2D bar code scanner** 1.860
laser class 2, incl. software,
interface processor wireless, for mobile use
Standard bar codes: Code 39, Code EAN 128
2D codes: DataMatrix, PDF41



DRILL AGGREGATES

- 5076296 **Drill aggregate BA101 spindle motor 1-fold**
Presetting of drilling depth and drill bit position
above the machine table **via mechanical digital**
counters.
Infinitely variable from 3000-9000 min-1
Direction of rotation right
Mounting: M 10 thread - fit 11 mm
Tool lengths 57 mm - 70 mm

- 5076298 **Drill aggregate BA102 Drilling head (horizontal) 3-**
fold 2.230
motor-driven positionable
Infinitely variable from 2750 - 4000 min-1
Drill spacing 32 mm - Drills can be positioned
individually
Direction of rotation left/right/left alternately
Mounting: M 10 thread - fit 11 mm
Tool lengths 57 mm - 70 mm

5076083	<p>Dowel driving unit - Dowel driving unit DA102 for dowels with diameter 8 mm and length 30 - 40 mm. For the use of pre-glued and natural dowels.</p> <p>For short machining cycles due to reduced traverse paths and simultaneous dowel insertion and drilling, the dowel insertion unit can be variably offset to the center of the dowel drill in 32 mm increments with the following distances: (64)/96/128/160/(192) mm (The dimensions in brackets can be achieved with the outer drills of the optional BA102 3-fold horizontal drilling head of the POWER-PIN 7605 dynamic)</p> <p>The change from Ø 8 mm dowels to Ø 6 mm dowels requires the optional second step conveyor ZB82 for 6 mm dowels as well as a manual changeover of the dowel unit in the machine.</p>	
5076500	<p>Gluing system LS1 Can be quickly converted from glue to water Suitable for glues with a viscosity of 150 to 350 mPas when using natural dowels.</p> <p>Including cleaning function by rinsing program and collecting container for the rinsing water.</p>	
5077603	<p>Gluing system LS2 incl. electronic monitoring of the nozzle needle to control the glue application</p> <p>Can be quickly converted from glue to water Suitable for glues with a viscosity of 150 to 350 mPas when using natural dowels.</p> <p>Including cleaning function by rinsing program and collecting container for the rinsing water.</p>	490
5076401	<p>Step conveyor AUT31 For separating and transporting the dowels to the driving unit. For dowels with diameter 8 mm and length 30-40 mm. Capacity of approx. 1,250 to 1,600 dowels - depending on the length of the dowels.</p>	
5076470	<p>Second step feeder ZB82 - 6mm additional step conveyor incl. feeder for dowels with diameter 6 mm and length 30 - 40 mm. reservoir with a capacity of approx. 400 to 500 dowels - depending on the length of the dowels.</p> <p>Manual changeover of the DA 102 dowel unit from 8 mm to 6 mm dowel holder as well as use of a Ø 6 mm dowel drill (provided by the customer) is necessary.</p>	2.450
5076299	<p>Drilling unit BA103 Vertical unit - controlled 3-fold drilling unit in 32 mm grid - drills can be pre-drilled individually. e.g. for pot band drilling max. drill diameter: 35 mm</p>	7.740

infinitely variable from 2750 - 5500 min-1
direction of rotation left/right/left alternately
mounting: M 10 thread - fit 11 mm
tool lengths 57 mm - 70 mm

Motorized adjustment of drilling depth in Z (up to 50 mm drilling depth with 70 mm drill length) and travel in X-direction and Y-direction (3 to 37 mm from workpiece edge at fence) - **controlled by POWER-PIN programming software.**

MACHINE ELECTRICAL SYSTEM

Electric tension 400V, 50/60 Hz

5076131	Electric cabinet integrated in machine cover incl. fan	
5076111	Air Condition for Electric Cabinet (necessary from 50° Celsius in the electric cabinet)	675
5076100	Uninterruptible Power Supply - UPS The UPS is a backup power system which in the event of a sudden voltage drop (e.g. caused by a power failure) ensures that the computer still has enough power to end the operating program properly.	380
5038877	Voltage stabilizer for 24 volt control voltage Necessary for power supply with fluctuations	1.730
5038973	Matching transformer for IT / TT networks, 400 V, 50 / 60 Hz required if the power supply is not grounded.	6.620
5038972	Matching transformer 230 Volt, 60 Hz / 200 - 230 Volt, 50/60 Hz Other voltages by request.	2.230

EQUIPMENT VARIANTS AND ACCESSORIES

LUBRICATION

5076568	Manual Lubrication - combined lubrication points	
5076499	Automatic centralized lubrication Automatic central lubrication unit, after defined lubrication intervals All console guides are not lubricated	1.310
5076958	Pull out suction tray below	285

PACKAGING

DIV	Packaging standard Machine on pallet or wooden frame, wrapped in foil		
DIV	<p>Container packing POWER-PIN machine on pallet or wooden frame wrapped in special foil Packing measures optimized to sea container</p> <p>Packing suitable for ocean-shipments in containers (FCL . Kalsdorf to final destination) without unloading in depots</p> <p>SERVICE</p>	154	*
ZS00	<p>Training POWER-PIN: Training in-house HOLZ-HER 3 days, max. 4 people, incl. refreshments and lunch, excl. hotel</p> <p>Content:</p> <ul style="list-style-type: none"> - CNC basics - CAMPUS HOPS fundamentals - MT Manager - CAMPUS aCADemy and DXF interface 	1.880	*
ZI00	<p>Installation and training day(s) includes technicians expenses, hotel costs, costs for flight/car, etc., plus costs for the time taken to travel to and from the site</p> <p>The daily working day of 10 hours can be exceeded only for proven operational reasons.</p> <p>The customer must provide two people to help with assembly.</p> <p>Work to be done before installation from customers side: Unpacking, electrical, pneumatic and dust extraction connection. Work which is not covered from the standard installation will be invoiced separately.</p> <p>not included: Unloading installation of other tools and units network connectivity / configuration data transfer / Interface programming to other programs</p>	990	*
ZI00	Installation viaCockpit and viaConnector Edge	600	*
ZI00	<p>Installation, operation and training The customer must provide two people to help with assembly. Works to be done before installation from customers side: unpacking, electrical, pneumatic and dust extraction connection. Work which is not covered from the standard installation will be invoiced separately.</p>		

Not included:

- > installation of other tools and units
- > network connectivity / configuration
- > data transfer / Interface programming to other programs

Plus hotel costs

Plus costs for flight/car, etc.

Plus costs for the time taken to travel to and from the site (invoiced)

GUARANTEE

The **warranty period** for the machine is **12 months** for one-shift operation.

10-year warranty on linear guidings

Excluded are damages to the system due to improper operation and/or due to insufficient cleaning and maintenance. The extended warranty is limited to single shift operation.

Please note that the prices with a * **symbol** are net prices.

You will **not get** an additional discount.



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