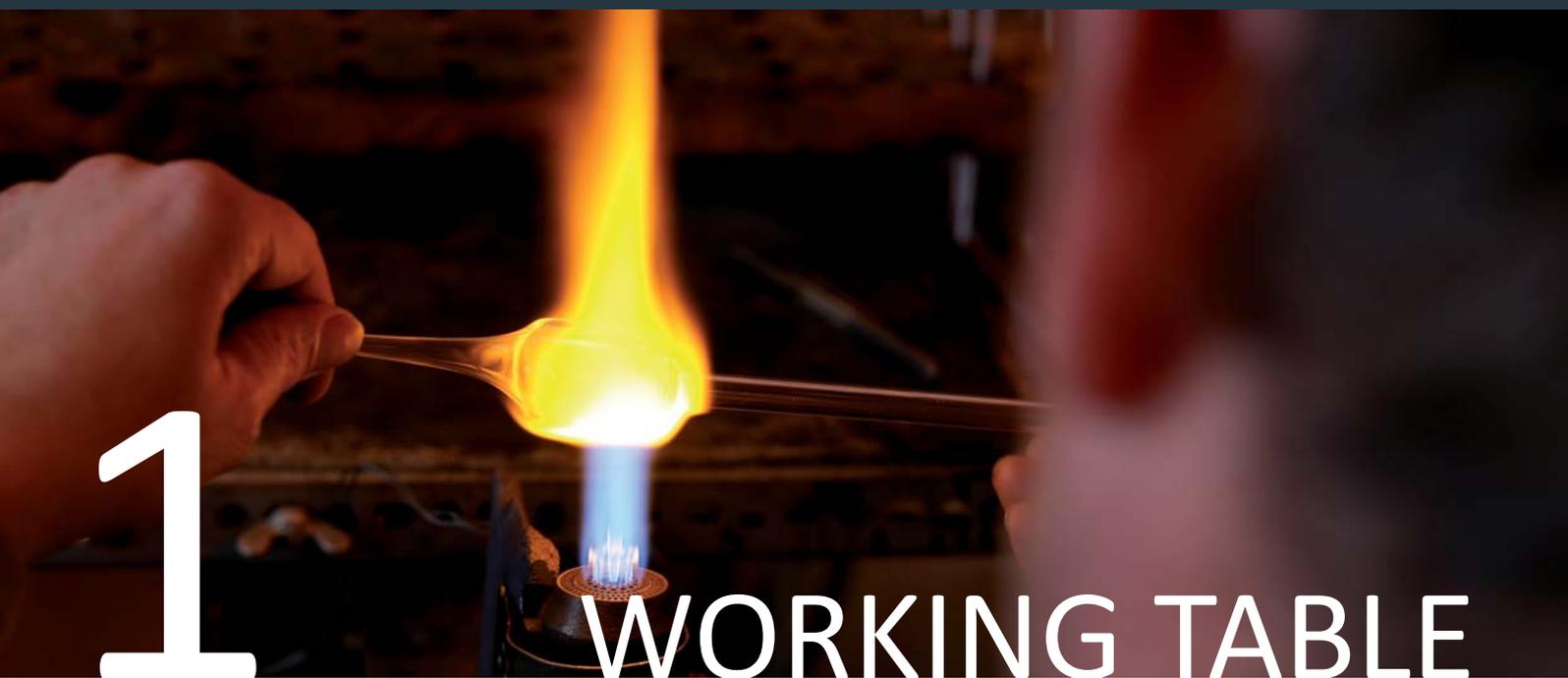


GLASS BLOWING SHOP EQUIPMENT GUIDE

ARNOLD >>
GRUPPE



1

WORKING TABLE



As standard, adjustable in height for getting an optimal working place.

No. 38/50

Glassblower's working table with ceran working plate

Consisting of:

- ergonomic shaped multiplex plate 30 mm, beech veneer, natural
- dimensions of table: 2.500 x 1.500 x 40 mm
- Ceran working plate: 1.500 x 590 x 4 mm
- C-base frame with spindle height adjustment, mounted at the frame, for an individual and optimal adjustment of working height
- adjusting range: appr. 720 - 1180 mm
- back and side rail made of multiplex 20 mm, beech veneer, without toothing
- Electric fan with ventilation grid as an air curtain directly in front of main working area of the glassblower
- Including distributor line for gas and holder for the gas supply. The large knee free space is preserved (For details see description of cat.-no. 38/3.80)
- Power supply (socket) for connection of electric appliances directly at working table
- **Tabletop geometry available to customer requirements**

The new developed working tables excel by the following advantages:

- ergonomic perfect construction, allowing a very relaxed and fatigue-proof working
- height adjustment of table plate by means of threaded spindles, herewith a flexible and individual adjustment of the working height to various glass blowers is becoming possible
- Asymmetrical shaped table plate, by means of which also very long glass parts could be processed
- optimization of place for deposit, because of various toothed rails and vertically mounted bores harmonic integration of the glassblower, due to the table geometry
- spaciouly dimensioned clearance for the knees well approachable, easy-running and compatible connections for energy supply (against surcharge if requested)
- it is possible to place container shutter cabinets (against surcharge if requested)



Nr. 38/3.10

Burner guide for Glassblower's working tables

At the lower side of the table board there is a linear guide (approx. 800 mm), allowing a lateral adjustment of the burner, thus granting an easy movement of the burner into the working area of the glass blower. Burner guide is equipped with an anti-slipping cover, to grant a safe placing of the bench burner.

Alternative:



No. 38/10

Glassblower's working table

The table boards are covered with special material, thickness 10 mm, which shows the following advantages:

- Operating temperature: continuous 700°C / for short periods 900°C
- asbestos-free / heat-resistant / resistant / antiglare
- mechanical
- deeply colored

The solid base frame is made of steel, bench top 196 x 78 cm, with raised edges on three sides with six drawers on left side.



No. 38/13

Glassblower's working table

The table boards are covered with special material, thickness 10 mm, which shows the following advantages:

- Operating temperature: continuous 700°C / for short periods 900°C
- asbestos-free / heat-resistant / resistant / antiglare
- mechanical
- deeply colored

The solid base frame is made of steel, bench top 196 x 78 cm, with raised edges on three sides with six drawers on left side and with four drawers at the right side:



BURNER

114/1 PSL a N-M7 - Bench Burner „Zenit“, surface mix

Noiseless bench burner, for gas and oxygen, burners for natural gas and propane with special flame stabilization system allowing to operate the burner even with a surplus of air and thus with a cooler flame - mounted on solid cast iron foot with ball joint.

The optimum burners for processing borosilicate glass, in the execution for hydrogen and oxygen (WS) for processing quartz glass.

Advantages:

- low noise working method with a large field of application
- stable, homogeneous flame formation, from pinpoint flame to bushy flame, steplessly variable via a single twisting grip
- burning media are controlled via ball valves, nearly service-free and resistant to wear
- optimum energy field through intensive ignition of gases
- long durability by using high-quality materials and constructional parts - solid burner head made of non-scaling stainless steel
- connection glands with thread



Accessories:**114/12.1 - Holder for safety glasses**

Extended version to hold 2 discs (didymium and heat resistant safety glass)

114/8.SAG - Polycarbonate safety glasses incl. heat resistant safety glass

Offers besides the absorption of the Sodium radiation (light blind cone) an additional protection against UV and Infrared radiation. Polycarbonate disc + heat resistant safety glass reduces the UV and Infrared radiation in addition in a range of 390 Nm.
Dimensions: 150 x 100 mm

**101 PSL - Bench burner „Thuringian model“, surface mix**

with three interchangeable jets for varying flames. The burners are equipped with a special flame stabilizing system, that means, they could also be operated with a high air proportion for cooling the flames. The burners are mounted on a cast iron foot with ball joint.

Advantages:

- very good flame adjustment from pin-point flame to large bushy flame
- operation either with gas and oxygen or gas and air with slight addition of oxygen for flame stabilization



141 - Hand torch, surface mix

standard execution that has proved its worth. For either gas and oxygen or gas, oxygen and air. The burners have a special flame stabilizing system so that they can also be operated with a high amount of air for cooling the flames.

141/1 with inside mounted oxygen control valves.

Advantages:

- large, easily adjustable range of flame: from needle flame to bushy flame
- light, compact construction
- jet exchangeable

Zubehör:



152/1 - Energie-Sparapparate, Allgasausführung

wie vorstehend beschrieben, jedoch mit Feststellklinke

Arbeitsweise:

Durch Bedienung des Hauptpedals bis zur voll geöffneten Medienzufuhr wird das Pedal automatisch arretiert. Bei erneutem Druck auf das Hauptpedal und die Arretierklinke, löst sich die Arretierung und die Medienzufuhr wird - bis auf die Dauerflamme - geschlossen.

Vorzüge:

- kein permanenter Fußdruck auf Fußpedal, dadurch ermüdungsfreie Bedienung



3

TOOLS

No. 6

Miniature tool kit**Consisting of:**

- 1 prod, ca. 60 mm long, diameter 6 mm
- 1 Widia glass cutting knife, see Cat.-No. 62
- 2 pairs of forceps:
 - 1 forceps, see Cat.-No. 42
 - 1 forceps, see Cat.-No. 43

and 8 Reamers, 1,5 mm thick:

- 1 Reamer, pointed form, 88 x 31,5 mm
- 1 Reamer, form - taper 1:10, 52 x 24 mm
- 1 Reamer, round form, 35 x 20,5 mm
- 1 Reamer, pointed form, convexed, 85 mm long, diameter 22 mm
- 1 Reamer, elliptic shape, 66,5 x 18 mm
- 1 Reamer, elliptic shape, 61 x 16 mm
- 1 Reamer, straight shape, rounded at the top, 58 x 16 mm
- 1 Reamer, double shape with an additional point, 40 x 10 mm





No. 7/1Qa / b
Carbon plate

- extremely heat resistant
- for reworking quartz glass
- with handle

Art. No.	7/1Qa	7/1Qb
Size (mm)	75 x 50 x 10	150 x 100 x 10



No. 10/1Qc / e / g / i / k
Hexagon carbon for standard ground joints

- made of heat resisting material
- form-taper 1:10
- length 150 mm
- with internal screw thread for fastening of the handle
- for reworking quartz glass.

Art. No.	c	e	g	i	k
Thread	M5	M8	M8	M8	M8
Size (mm)	10	14,5	19	29	34,5



No. 10/2
Wooden handle

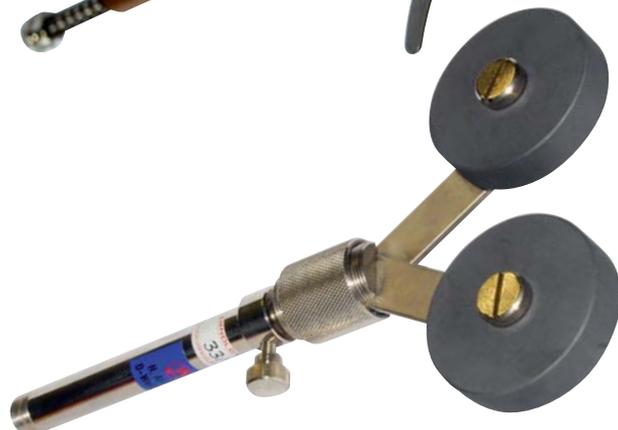
- with thread insert for screwing in hexagon carbons with internal thread

Art. No.	10/2 a-M5	10/2 b-M8
Joint size	5 - 10	12,5 - 45



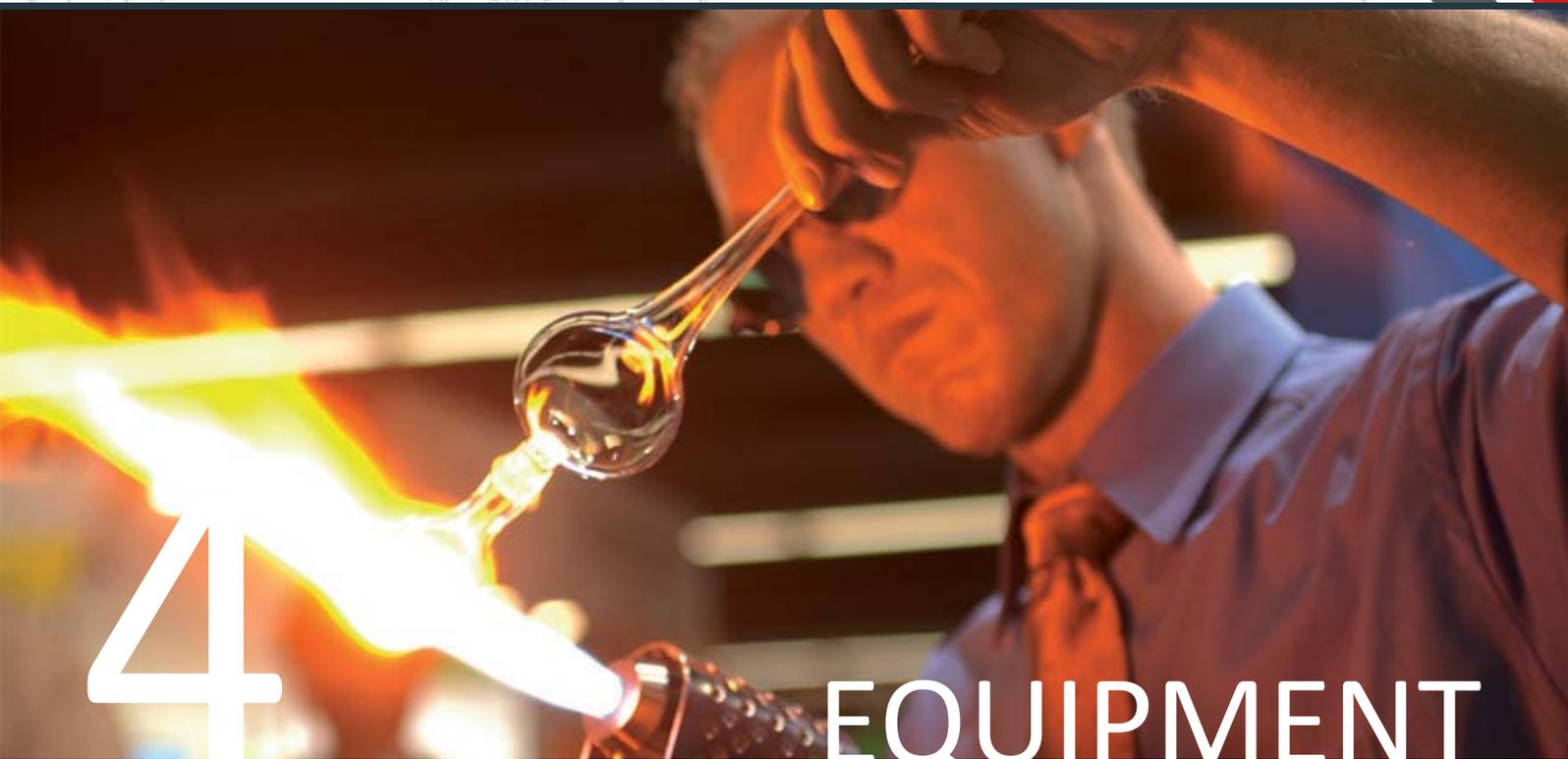
No. 25
Patented holder

- for quick - clamping of cylindrical feet
- with insulated handle
- stainless steel clamping jaws



No. 33/7
Roller

- vertically adjustable
- with two laterally adjustable carbon rollers controlled by a nut (50 mm diameter, 12 mm thick)



EQUIPMENT

No. 90/05-LED

Small manual and table model

Can also be placed on a table, very well suited during assembly work (tube lines or assembly of glass apparatuses etc.)

With the latest LED lighting technology:

- high durability of LEDs and filters
- low heat development
- energy-saving by low power consumption

- Light source: high power 4 Watts LED, 230 Volts, 50 cycles
- Analyzer \varnothing : 70 mm
- Polarizer \varnothing : 70 mm
- Max. distance between analyzer and polarizer: appr. 200 mm
- The distance between analyzer and polarizer can be adjusted via joint



LED
NOW WITH LED TECHNOLOGY

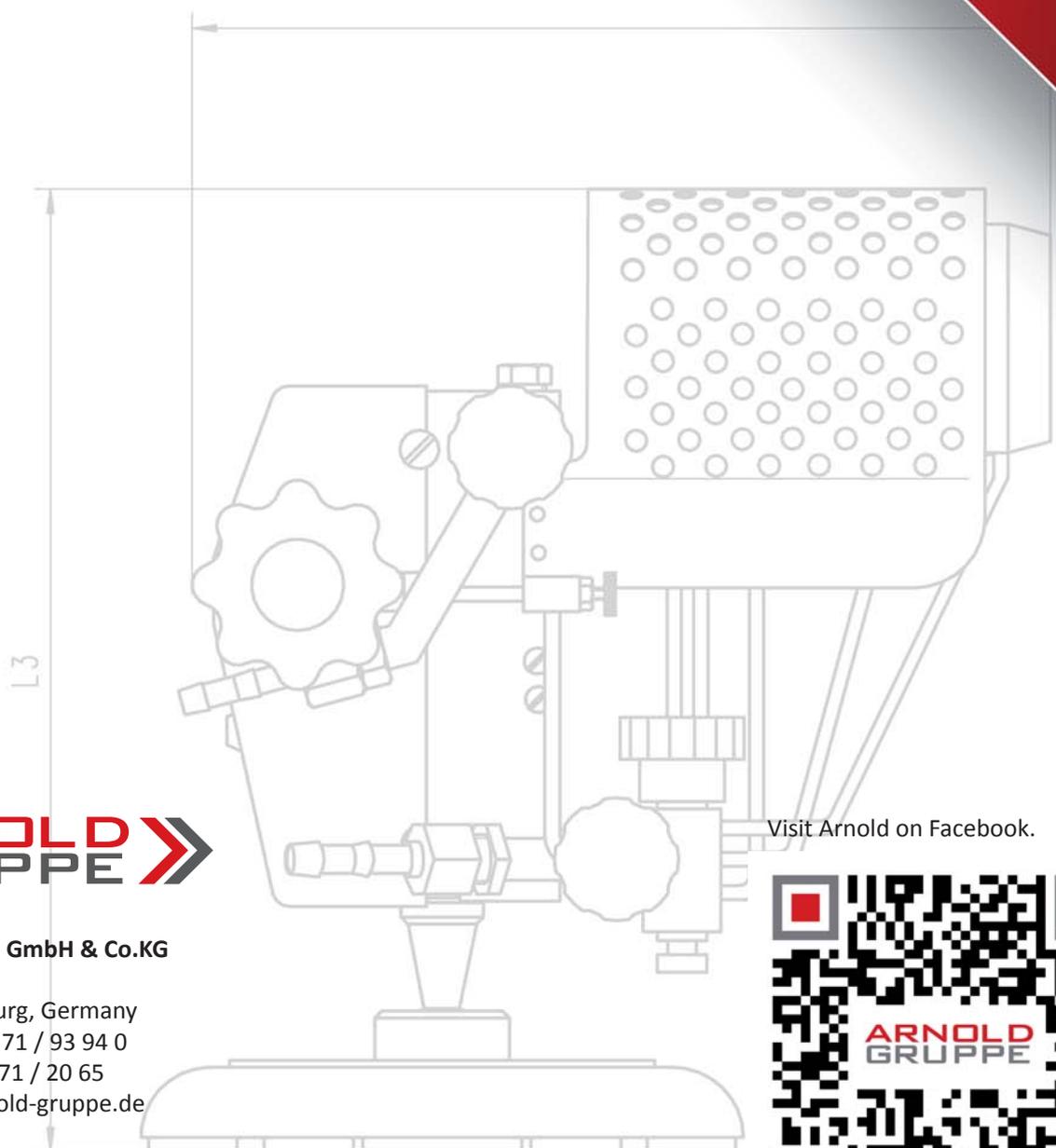
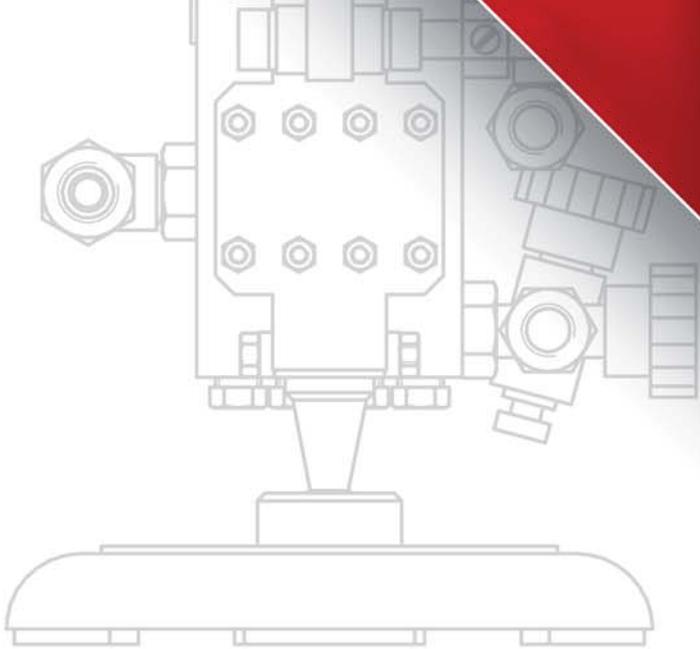


Venier caliper 76/6



Safety glasses 114/4

Standard safety glasses for glassblowers, with special filter lenses made of Didymium glass.



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Die tatsächliche Lackierung kann von den Abbildungen abweichen.
The actual paint may vary from those shown.

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