

Upgrade your tuning table with state-of-the-art technology!

For tuning sensitive reed instruments such as accordions, bandonions or even mouth organs it is critical to apply a consistent but adjustable air pressure. It is difficult to provide this with hand or foot driven bellows.

AKKO *modular* **tune**

The AKKOtune modular system can now provide this missing vital capability for your tuning table using modern processor-controlled technology.

The system consists of several modules:

1. Pumped air generator with hose connection: **BLOWBOX**
2. Control unit with colour display, with control cable: **CONTROL**
3. Under-table flange for hose, pressure probe and pressure pipe: hose **FLANGE**
4. Air hose, 2 inch inner diameter
(option, can be readily sourced from a local supplier)

The microprocessor-controlled system maintains a pre-selected, constant air pressure even when changing the volume of air or its direction. It continues to flow until switched off. Air flow from the hose is bi-directional and emulates the effect of PUSHing or PULLing the bellows when playing the instrument. The required air pressure is set and air direction is selected simply pushing a button.

AKKO
modular **tune**



AKKotune
BlowBox

*with electronic
control for
wind speed
and direction*

Accurate tuning is made easier if extraneous background noises are eliminated. The BLOWBOX is therefore encapsulated in a secondary housing complete with an internal damping layer.

The noise coming from the BLOWBOX is reduced to a max level of less than 9dB above a quiet room, when measured over the work bench with the BLOWBOX situated beneath it near a wall. The Air Hose can be adjusted to allow for multiple different positions.

AKKO
modular **tune**



AKKotune
BlowBox

*wind generator
system and
noise damping
enclosure*

An air hose (inner dia. 50 mm) may be sourced locally to reduce shipping costs.

The air hose flange is installed under the worktop beneath the blow hole.

It consists of a mounting plate with the air-hose connection: this can be rotated to face towards the BLOWBOX. The incorporated air pressure probe is connected to the control unit via a flexible silicone pipe.



*AKKOfix Desk,
view from below
with air flange and pressure probe flex pipe*

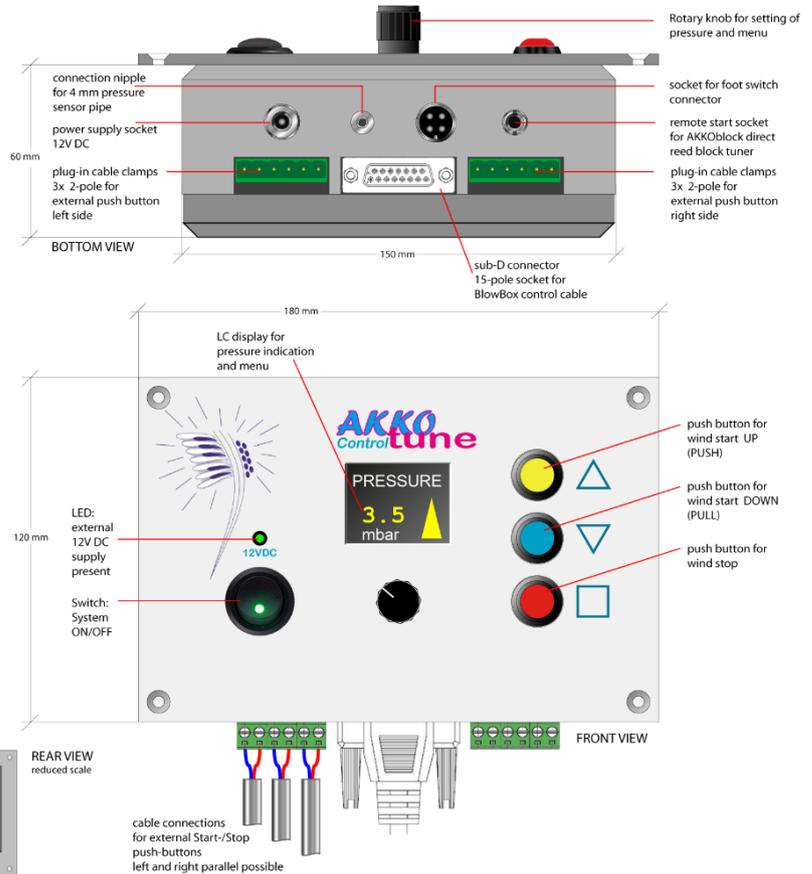
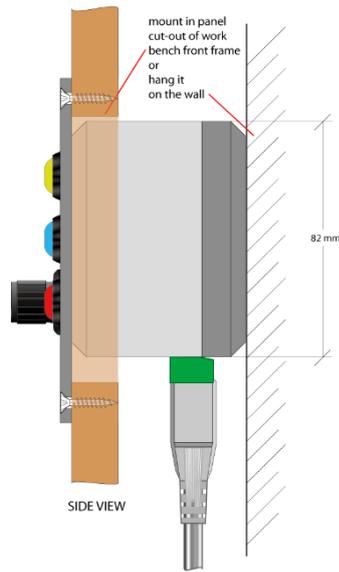
AKKOfix DESK is available as an option and comprises a number of accessories and the possibility to select blow holes of various sizes and shapes. It can be mounted on top of an existing work bench, or inserted into a cut-out in an existing work bench. AKKOfix DESK+ is equipped with internal / external microphones with USB port.

Finally, the BLOWBOX will be connected to the CONTROL unit by a 15-pole D-sub cable (1.5 m) that carries the power supply and control signals for air pressure and direction.



*CONTROL unit
with colour display and
start buttons for panel or wall mounting*

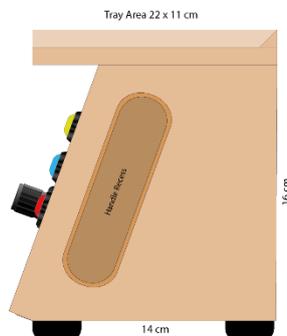
AKKO modular tune



The control unit has been designed to fit in a section of the workbench frame or being hung on the wall near the workbench. The system is operated with pushbuttons and a rotary knob. Pressure, ON/OFF selection for remote start mode and taring the pressure sensor is set using the rotary knob and colour display.



Optionally, it is available in a desktop housing that can be placed to either side of the worktop.



Optionally, external pushbuttons/pushbutton-panel are available to be placed as needed.

For hands-free tuning work the optional footswitch panel can be connected directly to the associated socket on the control unit.

By depressing one of the two pedals a continuous air stream (PUSH or PULL) is started.

Additionally, push buttons of your own choice and location can be used.

2 sets of 3 pluggable terminals (e.g. for left and/or right-handed operation) are provided at the bottom of the control unit.

Next to these terminals are connectors for 12V DC power, the BLOWBOX sub-D cable, the pressure probe pipe, and the remote start socket (interaction with AKKOblock direct tuner).



AKKOtune DESK with 4 standard blow hole inserts

Hold-downs for left and right side



Plain reed block guide



Fixation bracket for "halved" instruments



Under-table flange for the air hose with flexible silicone pressure measuring pipe

Technical Specification:

BlowBox	X3	Control	X4
Dimensions	H 365 x W 160 x D 285 mm	Dimensions:	H 120 x W 180 x D 64 mm
Weight:	approx. 8 kg	Weight:	0.4 kg
Noise ¹ :	min <2dB/max <9dB	Display:	Colour LCD, 1.8 "
Air flange:	Ø 2"/50 mm, swivelling	Pushbuttons:3x:	air up, air down, stop
Air valves:	electronic, servo controlled	Rotary knob:	unlimited 360° and ushbutton
Air pressure:	static max. 1280 Pa	Switch:	System ON/OFF
Usable range:	approx. 0.2 – 9.9 mbar	Power:	ext. PSU 12V DC, 6000 mA

¹ above environment noise

System Parts and Accessories:

Accessories in standard delivery

- A1 Under-table hose flange, with pressure probe and 1,5m flexible silicone pipe
- A2 Connection cable CONTROL/BLOWBOX
- A3 2x 3 pluggable terminals
- A4 SD card memory with all display language versions
- A5 Installation instructions
- A6 User Guide

AKKOtune modular accessories

(excerpt)

- B1 3 external pushbuttons, mounted on carrier plate 100 x 50 mm, including 2m cable
- B2 Desktop pushbutton panel with flat electronic rocker switch for PUSH, PULL and STOP
- B3 Foot switch panel with 2 switches for starting PUSH or PULL with 2 m connection cable and instructions
- B4 Table top housing for the control unit. With small tool tray on top. With three extra pushbuttons on left side. Can be place on right or left side on the work space. Dimensions: W 230 x D 140 x H 160 mm
- B5 Air Hose (suction hose), 2"/50mm inner diameter
- C1 **AKKOtune DESK**, Desk plate with swappable blow hole inserts. Leather coated, 4 inserts included, various accessories included. Dimensions W 600 x D 380 x H 30 mm
- C1a AKKOtune DESK incl. A1 extra
- C2 **AKKOtune DESK+**, Desk plate with swappable blow hole inserts with USB output for integrated microphones in blow hole and on gooseneck, 4 inserts, gooseneck microphone included, mics selectable. various accessories included. Dimensions W 600 x D 380 x H 35 mm
- C2a AKKOtune DESK+ incl. A1 extra

AKKOfix DESK(+) Accessories

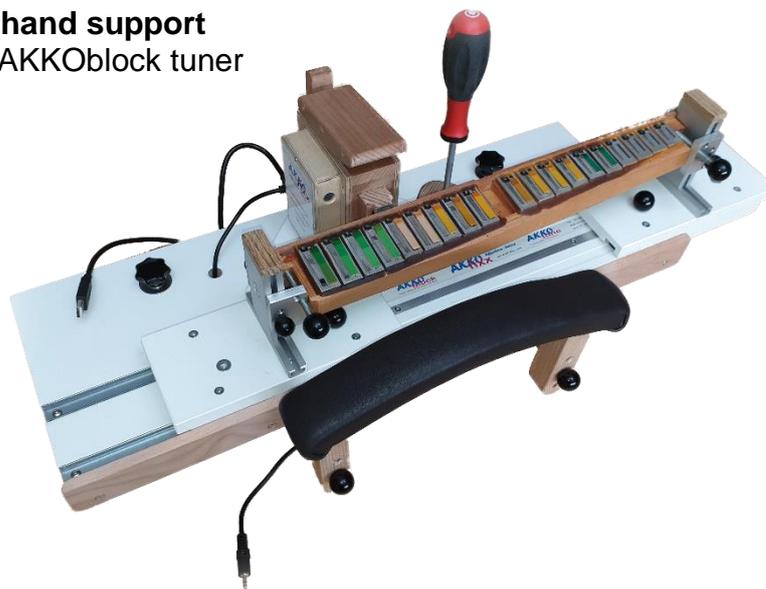
(excerpt)

- D1 add. Blow Hole Insert, acc. to customer specification
e.g. different blow hole diameters or shapes
- E1 **Multi Reed Plate Holder**
Holder for single reed plates of 15-25 mm widths and 20-95 mm lengths.
Flat brass guides for direct tuning of reeds within the holder.
- E3 **Helicon Reed Plate Holder**
Holder for reed plates of 26-32/40-55 mm widths and 98 mm lengths.
Flat brass guides for direct tuning of reeds within the holder.
- E4 **Bandonion Reed Plate Holder**
Holder for reed plates with foam cushion air seal besides the tested reed
- E5 **Bajan Reed Plate Holder**
Holder for reed plates with foam cushion air seal besides the tested reed
- E6 **Mouth Organ Reed Plate Holder**
Holder for reed plates with foam cushion air seal besides the tested reed



For use with AKKOfix compact or AKKOfix DESK(+)
If an existing tuning table has a blow hole in appropriate position,
AKKOblock can also be used, if firm fixation is possible.

- X5 **AKKOblock reed block direct tuning device**
Device for tuning horizontally inserted reed blocks directly. Reed blocks are blown in their vertically positioned sole and reed plates laid flat on top. Including 2 integrated microphones in- and outside the blow module, with USB port.
- X6 **AKKOblock hand support**
For use with AKKOblock tuner



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