

## Invento TC 720



Tire changer INVENTO TC 720 is an economic unit developed to service car wheels and van wheels. Due to many-year experience of the TIP-TOPOL company in the field of wheel service, the structure of the machine has been subject of many improvements which positively affected strength of the unit and work ergonomics.

### The most substantial attributes of the machine:

- pneumatically inclined fixing post
- pneumatically locked assembly foot,
- spring lifted and manually dropped down assembly foot.

Technical data	TC 720
Range of external clamp	13" – 23"
Range of internal clamp.	10" – 20"
Max. wheel diam.	1040 mm
Max. wheel width	12"
Table rotary speed	7 obr./min
Power of hammer	1200 kg
Working pressure	8 – 10 bar
Electric energy supply	3 x 400 V / 50 Hz



INVTC720

## Auxiliary arm Invento HA 320b



Auxiliary arm HA320B for the tire changer TC720 is a simple but very helpful accessory making assembly and disassembly of tires easy. The arm comprises 3 elements:

- pressing roll
- disk necessary to disassembly the lower foot,
- joint pressing arm.



INVHA320B

### Additional equipment for the tire changer



BR5509021  
Assembly foot for motor-cycles



BR6008831  
Bike pads for shoes



MF31100149  
Little vise made from plastics,  
for the tire changer



BR5509019  
Plastic cover for the tire  
changer's jaws



BR5509014  
Plastic cover for assembly  
foot, rear



BR5509015  
Plastic cover for assembly  
foot, front



BR5004093  
Hammer's rubber



BR5309016  
Plastic cover for the tire  
spoon



BR5509018  
Plastic cover for  
hammer's spoon

## Invento VB 300



Balancing unit Invento VB300 is a micro-processor unit with LED display enabling car wheel balancing, of mass up to 65 kg. **Simple structure and proven solutions** make it is an interesting offer for mechanical stores which want to extent their services by wheel services.

### The most substantial attributes of the machine:

- dynamic and static balancing,
- four programs 3 for aluminum rims and one for motor-cycle rims,
- acoustic signalization of unbalanced location,
- roller 40 mm x 4 mm,
- auto-diagnostics and unit calibration.



INVB300

Technical data	VB 300
Trim width range	1,5" – 20"
Trim diam. range	10" – 24"
Max. wheel diam.	1117 mm
Max. wheel width	510 mm
Max. wheel weight	65 kg
Wheel rotates	<100 obr./min
Balancing cycle time	10 s
Electrical power supply	230 V / 50 Hz

### Standard equipment



Wheel fixing set



Weight pliers



Compass

### Additional equipment for balancing machine


 HA490008000  
 Caliper to check span between rim  
 holes

 INVB6008540  
 Flange for the balancing machine  
 VB 300

 INVB6008842  
 Cone for trucks 36 mm  
 INVB6009059  
 Cone for trucks 40 mm



## Tire changer Invento TC 856

Tire changer INVENTO TC 856 is an **economic machine** designed to change tires of trucks, agricultural vehicles and building machines.

### The most substantial attributes of the machine:

- ergonomic control console,
- two rpms,
- automatically raised arm and rotary disk,
- hydraulic pump of recognized American company SPX.



INVTC856

## Tire changer Invento TC 826



Tire changer INVENTO TC 826 is an **economic machine** designed to service wheels of trucks.

### The most substantial attributes of the machine:

- ergonomic control console,
- two rpms,
- manually raised arm and rotary disk,



INVTC826

Technical data	TC 856	TC 826
Max. wheel width	1100 mm	760 mm
Max. wheel diam.	2200 mm	1500 mm
Jaws opening range	14" – 42" (14" – 56")*	14" – 26"
Dimensions of a central hole in a rim	140 – 800 mm	120 – 700 mm
Hammer power	2800 kg	1500 kg
Max. wheel weight	1500 kg	1000 kg
Weight of the machine	987 kg	561 kg
Electrical power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz

\* Using extensions -standard equipment.

## Mobile tire changer Invento TC 823



TC 823 is a **fully automatic, electro-hydraulic tire changer** intended to service wheels of trucks, buses and agricultural vehicles' wheels. The device has been designed **to work in a mobile vehicle service**. The machine is mounted inside a vehicle to suit your needs, at the side or at a rear door of a vehicle while work is carried out outside.

### The most substantial attributes of the machine:

- automatic rotating spindle and tire foot hammer provide optimal work,
- movement of elements of the tire changer is provided due to a hydraulic system,
- due to four hydraulic jaws the wheel holding is stable and safe,
- control console with a long cable assures high comfort of work.

### Technical data

Max wheel width	600 mm
Max. wheel diam.	1300 mm
Range of jaw opening	13" - 26"
Size of the central hole in the rim	140 – 300 mm
Hammer force	2100 kg
Max. wheel weight	1000 kg
Weight of the machine	450 kg
Power supply	3 x 400 V / 50 Hz



INVTC823

### Standard accessories for tire changers



Spoon - large, spoon - small, little vise

### Additional accessories for tire changers



INV2200113  
Little vise for installation of steel wheels of trucks



INV2200114A  
Little vise for installation of aluminum wheels of trucks



## Tire changer Invento VB 800

Tire changer Invento VB 800 is a **cost-effective machine** designed to service wheels of trucks and cars. The device is equipped with an intuitive menu enabling you to select the appropriate balancing program easily. LLKW Haweka's set is a standard equipment.

### The most substantial attributes of the machine:

- 19" LCD monitor,
- professional set for truck wheels balancing by Haweka,
- wheel lift,
- intuitive menu.

### Technical data

Rim width range	2" - 20"
Diameter range	10" - 26"
Rim max. width	665 mm
Rim max diameter	1300 mm
Balancing accuracy truck/car	10 g / 1g
Max. wheel weight	200 kg
Electric power	230 V / 50 Hz
Dimensions	1750 x 1400 x 1500 mm
The weight of the equipment	250 kg
Working pressure	8-10 bar



INVB800



Haweka balancing kit



Wheel Lift



Intuitive menu

### Additional Equipment



HA124658000  
Car wheels balancing kit



HA700400007  
3 arm star



## 2 post lift Invento EL 240 F



Electro-hydraulic two-post lift Invento EL 240 (F) is equipped with two independent cylinders. Synchronization of the cylinder movement is assured by a steel cable, covered by a lower metal shield. **The lift from 50 cm height is equipped with a mechanical lock which enables lift locking every 4 cm.**



INVEL001

Rubber overlay on paws EL 240F, EL 250 L



INVEL240F

## 2 post lift Invento EL 246 TL



Two post electro-hydraulic lift. Structure of the lift with a top connection at a height equal 4,16 m enables easy entry into the position. **Large load-carrying capacity enables vans lifting.**



INVEL246TL

### Technical data

	INVENTO EL 240 F	INVENTO EL 246 TL
Lifting capacity	4000 kg	4600 kg
Width between posts	2800 mm	2736/2850 mm
Lifting height	1900 mm	1938 mm
Minimum height	100 mm	88 mm
Posts' height	2931 mm	4162 mm
Arms' length	720 - 1350 mm	640-1100, 900 - 1475 mm
Overall width	3420 mm	3436 / 3501 mm
Lifting time	45 s	58 s
Engine power	2,6 kW	3 kW
Weight of the unit	667 kg	700 kg

## 2 post lift Invento EL 250 L



Two post electro-hydraulic lift.

Thanks to a very long arms this model **has been designed to service the longest vans.**



INVELO250L

## Single post lift Invento EL 135 M



Single-column lift Invento EL 135 is an electro hydraulic lift with a lifting capacity equal 3500 kg. **Mobile structure enables setting the unit up anywhere in the workshop.** Solid and robust design ensures safe operation.



Technical data	INVENTO EL 250 L	INVENTO EL 135 M
Lifting capacity	5000 kg	3500 kg
Width between posts	2810 mm	—
Raising height	1900 mm	1800 mm
Minimum height	120 mm	110 mm
Height of posts	2848 mm	2410 mm
Length of the arms	860 - 1800 mm	—
Overall width	3650 mm	1953 mm
Lifting time	60 s	60 s
Power of the engine	2,6 kW	3 kW
Weight of the machine	950 kg	110 kg

## Scissor lift Invento SL 130



Electro-hydraulic lift SL 130 is designed **to pick up vehicles up to 3 tons, up to 1 m height**. Electro-hydraulic drive, mechanical locks and a beam connecting two ramps ensure safe operation. The lift **is supplied with a mobile set** which simplifies movement of the lift in a workshop.



INVSL130

## Scissor lift Invento SL 230



Electro-hydraulic lift SL 230 is designed to pick up vehicles up to 3 tons. It is equipped with two separate and hydraulically synchronized scissors as well as a mechanical lock. The lift is ideal **for sites without a suitable place for 2-column lift, to pick up a car up to 1,9 m height**.



INVSL230

## Scissor lift Invento SL 230 I



Electro-hydraulic lift SL 230 I is designed to pick up vehicles up to 3 tons. Two separate scissors are raised and synchronized due to 4 hydraulic actuators. **Retractable ramp enables assembly in foundations**.



INVSL230I

Technical data	Invento SL 130	Invento SL 230	Invento SL 230 I
Lifting Capacity	3 000 kg	3000 kg	3 000 kg
Max lifting height	1000 mm	1850 mm	1 900 mm
Height when folded	110 mm	115 mm	112 mm
Length of ramps	1460 – 1990 mm	1435 – 1980 mm	1570 – 2010 mm
Width of ramps	490 mm	600 mm	569 mm
Span between ramps	860 mm	800 mm	800 mm
Lifting Time	35 s	60 s	50 s
Electrical supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz



## Scissor diagnostic lift Invento SL 448 LT



Diagnostic lift of a lifting capacity 4T **with a built-in lift**.



INVSL448LT

## Scissor diagnostic lift Invento SL 448 LT PD



Designed to diagnose suspension (**inbuilt vibration actuators**) and to measure and to adjust geometry.



INVSL448LT PD

Technical data	Invento SL 448 LT	Invento SL 448 LT PD
Lifting capacity	4000 kg	4000 kg
Length of the ramps	4800 mm	5400 mm
Raising height	2160 mm	2160 mm
Width of the ramps	608 mm	608 mm
Lifting time	60 s	60 s
Load capacity for the lift	7200 kg	3200 kg
Length of the lift	1500 - 2000 mm	1500 - 2000 mm
Raising height	430 mm	490 mm
Electrical power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Working pressure	6-8 bar	6-8 bar

## Scissor diagnostic lift Invento SL 550 LT



Diagnostic lift of 5T load capacity **with inbuilt lift**.



INVSL550LT

## Scissor diagnostic lift with detector Invento SL 550 LT PD



Designed to diagnose suspension (**inbuilt detector**) and to measure and to adjust geometry.



INVSL550LTPD

## Axial lift 2,5T for SL448 /SL550



A lift dedicated for the whole range of scissor lifts SL448 and SL550 as well as four post lifts EL442 by Invento.

- lifting capacity: 2500 kg,
- lifting height: 643 mm,
- support width: 766-1626 mm
- width of rolls: 830-1000 mm
- power supply: 3-10 bar



INVSLHJ-75B

Technical data	Invento SL 550 LT	Invento SL 550 LT PD
Lifting Capacity	5000 kg	4000 kg
Length of ramps	5000 mm	5600 mm
Lifting height	2160 mm	2160 mm
Width of ramps	608 mm	608 mm
Lifting Time	70 s	70 s
Capacity for the lift	4000 kg	4000 kg
The length of the lift	1500 - 2000 mm	1500 - 2000 mm
Lifting height	430 mm	490 mm
Power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Working pressure	6-8 bar	6-8 bar

## 4 post lift Invento EL 442



Lift equipped with flat ramps of length equal 4,8 m and load capacity equal 4200 kg. It is equipped with pneumatically-operated locks.



INVEL442

## 4 post diagnostic lift Invento EL 442 WA



Diagnostic lift **designed to measure and to adjust the geometry**. It is equipped with pneumatically-operated locks.



INVEL442WA

### Technical data

	Invento EL 442	Invento EL 442 WA
Lifting capacity	4200 kg	4200 kg
Length of the ramps	4808 mm	4808 kg
Distance between posts	2850 mm	2850 mm
Lifting height	1800 mm	1850 mm
Width of the ramps	512 mm	524 mm
Power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Working pressure	6-8 bar	6-8 bar

## Pneumatic & hydraulic lift Invento AHL 30



Pneumatic-hydraulic lift Invento AHL 30 is designed to lift trucks. The product is characterized by a very good price-quality ratio.

### The most substantial attributes of the machine:

- a long handle with a control console enabling quick and easy raising and lowering,
- rubber wheels make service works easy,
- possibility to use 2 additional extending overlays
- 45 / 75 mm.



INVAHL30

## Axial basis



Applied under the axle of a vehicle - they **protect a user** from accidental lowering of a vehicle. Load capacity equal 8 tons.



TP595-0012  
TP595-0012A  
TP595-0012B

Technical data	TP595-0012	TP595-0012A	TP595-0012B
Height when folded	350 mm	300 mm	250 mm
Height at the first step	425 mm	375 mm	325 mm
Height at the second step	500 mm	450 mm	400 mm

## Invento SW 1000



The device is intended to repair steel and aluminum rims professionally, of diameters from 10 to 26". Unique structure assures **very accurate and quick repair**.

### The most substantial attributes of the machine:

- rim is repaired due to a control console - by use of 8-position joystick that controls the device,
- rim to be repaired is measured due to a digital indicator characterized by accuracy  $\pm 0,1\text{mm}$ ,
- working overlays enable repairing a damaged rim in any point of its curvature,
- smooth adjustable left/right rotation from 0-900 rpm,
- projecting lathe, only in the course of its operation it gives a full access to the rim.



INVS1000

## Invento SW 600 / Invento SW 700



Units: INVENTO SW 600 and INVENTO SW 700 **are intended to carry out professional repairs of steel and aluminum** rims 3,4 or 5-hole, of different diameters of screws and diameters from 10 to 24".

### The most substantial attributes of the units:

- support with a shield handle (lathe) enables to find a damage to the rim and to machine previously repaired places,
- magnetic stand with adjustable test assures the ability to determine the damage, so called "beating" and curvature,
- rings of various diameters enable centering of rims,
- engine's piston can be reinforced with different accessories of appropriate profiles for the various types of rims.



INVS700



INVS600

### Technical data

	SW 1000	SW 700	SW 600
Range of diameters	10" to 26"	10" to 24"	10" to 24"
Rotates	5 - 98 rpm	250 rpm	
The weight of the equipment	720 kg	362 kg	165 kg
Engine's power	2,6 kW	1,3 kW	
Gear box	YES	YES	
Pump pressure	140 bar	140 bar	140 bar
Power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Dimensions (width. x deep. x height)	1574 x 937 x 2100 mm	1400 x 1040 x 1540 mm	1624 x 430 x 1233 mm



## Screw compressors Invento K15 / K11 / K7



Rotary screw compressors Invento are **modern, strong, energy effective and quiet** source of compressed air. Proof of their reliability is **three year warranty** for all of the components. Devices are designed for customers who would like to replace the previously used, small piston compressors with technologically more advanced screw compressors.

### The most substantial attributes of the units:

- possibility to extent the pressures range up to 13 bar (for stores servicing truck wheels),
- fully automatic operation (micro-drivers),
- energy efficiency – high energy efficiency,
- modern sound absorbing housing,
- low operational costs,
- the highest quality components,
- easy access to professional service.

All compressors can be additionally equipped with a professional set of air processing system comprising cooling drying unit and a set of filters.



INVK15  
INVK11  
INVK7

## Screw compressors Invento KT15 / KT11 / KT7



### The most substantial attributes of the units:

- equipped with air treatment system (drying unit + 2 filters),
- possibility to extent the pressures range up to 13 bar (for stores servicing truck wheels),
- fully automatic operation (micro-drivers),
- energy efficiency – high energy efficiency,
- modern sound absorbing housing,
- low operational costs,
- the highest quality components,
- easy access to a professional service.
- air purity class acc. to ISO 8573.1-2.4.2.



INVKT15  
INVKT11  
INVKT7

Technical data	K15 / KT15	K11 / KT11	K7 / KT7
Max. pressure	10 (13) bar	10 (13) bar	10 (13) bar
Power of the engine	15 kW	11 kW	7,5 kW
Tank capacity	500 l	500 l	500 l
Productivity (10 bar)	2000 l/min	1450 l/min	950 l/min
Productivity (13 bar)	1600 l/min	1166 l/min	783 l/min
Noise level	72 dB(A)	72 dB(A)	72 dB(A)
Power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Dimensions (width x height x deep)	1600 x 1470 x 650 mm	1600 x 1470 x 650 mm	1600 x 1340 x 650 mm
Weight of the machine	400 kg	380 kg	350 kg

## Piston compressors Invento



Offered professional piston compressors under INVENTO brand, due to use of high quality sub-assemblies as well as their appropriate connection **guarantee a long and reliable operation.**



FFAB500/981F



FFAB300/515TC



FFAB200/400TC

## Piston compressors with vertical tank Invento



Piston compressors INVENTO, high quality units built on a vertical tank. Vertical tank facilitates placing the compressor in the service vehicles or setting it in the service hall of a small area. High maximum pressure enables applying it to inflate the wheels of trucks.



FFABV300/598F/10, FFABV300/598F/15

Technical data	FFAB500/981F	FFAB300/515TC	FFAB200/400TC	FFABV300/598F/10	FFABV300/598F/15
Tank capacity	500 l	270 l	200 l	270 l	270 l
Max. pressure	10 bar	10 bar	10 bar	10 bar	15 bar
Real performance	675 l/min	460 l/min	400 l/min	540 l/min	440 l/min
Power supply	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz	3 x 400 V / 50 Hz
Power of the engine	7,5 kW	4 kW	3 kW	4 kW	4 kW
Rotates	1280 rotates/min.	1200 rotates/min.	1210 rotates/min.	1400 rotates/min.	1400 rotates/min.
Number of cylinders	2	2	2	2	2
No. of compression ratio	2	2	1	2	2
Dimensions	1970 x 590 x 1300 mm	1600 x 560 x 1230 mm	1460 x 640 x 1140 mm	1850 x 670 mm	1850 x 670 mm
Weight of the machine	260 kg	186 kg	109 kg	160 kg	160 kg
Noise level	78 dB(A)	71 dB(A)	76 dB(A)	75 dB(A)	75 dB(A)

## Electric wrench



**Heavy duty tool** designed for tire stores dealing with trucks and buses.



519-1719

Catalog no.	Spindle	Torque (Nm)		Weight (kg)	spindles (mm)	Power (V)
		Max.	Draft			
519-1719	1"	2500	400 - 800	60	310 – 730	230 / 400

## Ratchet spanners 1/2"



Designed mainly **to demount spark plugs, radiators, water pumps and exhaust systems.**



CP886H



CP7830HQ

Catalog no.	Description	Spindle	Torque (Nm) Max.		Weight (kg)
			Max.	Draft	
CP886H	Ratchet spanner	1/2"	68	13 – 68	1,19
CP7830HQ	Ratchet spanner	1/2"	122	13 – 122	1,20

## Mechanical wrenches 1"



Designed mainly **to loose screws at the wheels of trucks and buses and heavy wheel-based equipment.**



N017221



W-BGS1231

Catalog no.	Desc.	Spindle	Max. Torque (Nm)	Weight (kg)
N017221	Wrench	1"	2700	3,8 kg
W-BGS1231	Wrench	1" + set of fittings (24-38)	3200	5,9 kg