


02 Automobile Mechanik-Electric Workshop

	Art-No./ Description	Qty.
 <p data-bbox="91 726 224 746">13.RK.RV3000</p>	<p data-bbox="902 261 1066 288">Pos.No.: 08.0</p> <p data-bbox="954 320 1133 347">13.RK.RV3000</p> <p data-bbox="954 352 1305 379">Valve Refacer Model RV3000</p> <p data-bbox="954 384 1218 411">Country of Origin: Italy</p> <p data-bbox="954 416 1323 443">Valve stem dia. mm = 4</p> <p data-bbox="954 448 1350 475">Grinding angle ° = 20-60</p> <p data-bbox="954 480 1350 507">Max. head dia. mm = 100</p> <p data-bbox="954 512 1417 539">Max. valve length mm = 400-450</p> <p data-bbox="954 544 1391 571">Valve length at 30°/45°mm min. = 75</p> <p data-bbox="954 576 1350 603">Head dia. 30° mm min. = 22</p> <p data-bbox="954 608 1350 635">Head dia. 45° mm min. = 18</p> <p data-bbox="954 639 1429 667">Grinding wheel size dia. mm = 175x30</p> <p data-bbox="954 671 1402 699">Grinding wheel speed rpm = 2800</p> <p data-bbox="954 703 1435 730">Electric power V = 230/400 3ph.</p> <p data-bbox="1160 735 1256 762">Hz = 50</p> <p data-bbox="954 767 1391 794">Valve dragg. wheel speed rpm = 14</p> <p data-bbox="954 799 1458 826">Dimension mm = 800x600x600</p> <p data-bbox="954 831 1301 858">Weight kg = 109</p> <p data-bbox="954 879 1223 906">Standard Accessories:</p> <p data-bbox="954 911 1294 938">Allen wrench 2.5/3/4/5/6 mm</p> <p data-bbox="954 943 1240 970">Open end wrench 8 mm</p> <p data-bbox="954 975 1211 1002">Valve dressing wheel</p> <p data-bbox="954 1007 1077 1034">Valve stop</p> <p data-bbox="954 1038 1424 1066">Diamond support and valve end refacer</p>	<p data-bbox="1733 261 1794 288">2.00</p>
	<p data-bbox="902 1094 1066 1121">Pos.No.: 08.1</p> <p data-bbox="954 1153 1144 1181">13.RK.RV30001</p> <p data-bbox="954 1185 1350 1212">Spare grinding wheel dia. 175x30</p> <p data-bbox="954 1217 1077 1244">corundum</p>	<p data-bbox="1733 1094 1794 1121">2.00</p>



13.OKO.512

Pos.No.: 29.

13.OKO.512
Valve seat mill/reamer set
Working range:
Valve shaft_ mm = 6-9
Valve seat _ mm = 17-50

1.00





13.SP.02.004.05

Pos.No.: 01.1

13.SP.02.004.05
Electric equipment test bench Model 02.004.05
Country of Origin: Italy
for cars/trucks up to 7.5 tons
for alternators, stators, rotors, diode
plates, regulators and starters
Tests for alternators at 12/24 V up to
2000 W with built-in or ext. regulator.
Tests for electric users (windshield
wipers, intermittences, etc.).
Test for plates with 6 and 9 diodes.
Test for diodes (polarity, efficiency).
Test for electronic regulators at 12/24 V.
Test for starters (no load test and load
test with brake max. 7 HP).
Test condensers.
Tes for insulations 220V (stators, engines,
inductive fields)

Dimensions mm = 1030x480x1460
Weight kg = 160

1.00

	Pos.No.: 01.1.1 13.SP.6V140AH Battery 6V 140 Ah for test bench	2.00
	Pos.No.: 01.1.2 13.SP.12V140AH Battery 12V 140 Ah for test bench	1.00
 <p>13.SP.04.035.00</p>	Pos.No.: 01.1.3 13.SP.04.035.00 Tester for diode plates and electronic Country of Origin: Italy regulators, 12-24 V, Power supply V = 220, 50 Hz. A.C. Output voltage 0.1-30V DC with test cables and handbook	1.00
 <p>43.HGL.P6060</p>	Pos.No.: 02. 43.HGL.P6060 Regulated Dual Power Supplies PeakTech 6060 Output voltage 2x0-30V; 5V/3A fixed Output current 2x0-10 A Residual ripple U 2mV<3A; 5 mV>3A; 10 mV fixed output Residual ripple 3 mA Accuracy +/- 0.2 % rdg. + 2 dgt. (Voltmeter) +/- 1.0 % rdg. + 2 dgt. (Amperemeter) Operating voltage 100 ~ 127 V / 200 ~ 240 V AC 50/60 Hz, switchable ext. Dimensions 480x135x425 mm Weight 16 kg	2.00



13.MO.860

Pos.No.: 03.1

13.MO.860
Digital car multimeter/multitester 860
for easy and fast basic diagnostic of
automotive electric/electronic systems

Functions:

Display: LCD

Measurements:

-DCV, direct current volts

AC/DC: max. 10 A

Diode check: 0,6 mA (VF=0,6V)

Temperature: max. 750 °C

Duty cycle: 1,0%-90%

Voltage: max. 600 V

Continuity buzzer: < 20 _

Supply with:

1 Guard case

1 Battery

2 Probes

2 Prob extensions

2 Grips

1 Induction plier

1 Instruction manual

Dimensions: 147x70x39 mm

Weight: 350 g

4.00



01.LA.1085

Pos.No.: 03.2

01.LA.1085
Compact pen-type digital multimeter
Safety:IEC-1010; CAT II 600 V

-LCD-display

-Diode-, logic, continuity test

-Auto-manual ranging


-Auto power off


-Data and maximum value hold




DC voltage V = 600


± 0,7 % + 2 dgt.



2.00



	<p>AC voltage V = 600 $\pm 0,8 \% + 3 \text{ dgt.}$ DC ampere mA = 0,01 $\pm 0,8 \% + 3 \text{ dit.}$ AC ampere mA = 0,01 $\pm 2,0 \% + 3 \text{ dgt.}$ Ohm $_ = 20 \text{ m_}$ $\pm 1,0 \% + 3 \text{ dgt.}$</p> <p>Dimensions: 208x38x29 mm Weight: 110 g</p> <p>Supply with: 1 Carrying case 1 Set of test leads 1 Battery 2x1,5V AAA 1 Operation manual</p>	
 <p>01.LA.1615</p>	<p>Pos.No.: 03.3</p> <p>01.LA.1615 Digital AC/DC Clamp Meter 1615 Safety: EN 61010-1; CAT III 600 V -17 mm LCD-display, max.indication 3999 -Disply: 3 3/4-digits -Data hold function -Blue backlight -Resistance-, frequency-, capacitance-, duty cycle-, temperature measurement -Diode and continuity test -Auto/manual range selection -Auto power off</p> <p>AC/DC current A = 1000 AC/DC voltage V = 600 Max contactor size mm = 31</p> <p>Supply with: 1 Type K-temperature probe 1 Carrying case 1 Set of test leads 1 Battery</p>	2.00

	1 Operation manual	
 <p>13.MO.1000</p>	<p>Pos.No.: 03.4</p> <p>13.MO.1000 Connection interfaces They can be used with any type of multimeter, diagnostic instruments, oscilloscope. They allow a safe and fast connection to the automobile systems to be checked (sensors, debimeter, injectors ect. AC/DC: max. 10 A Diode check: 0,6 mA (VF=0,6V) Temperature: max. 750 °C Duty cycle: 1,0%-90% Voltage: max. 600 V Continuity buzzer: < 20 _</p> <p>Supply with:</p> <ul style="list-style-type: none"> 1 Guard case 1 Battery 2 Probes 2 Prob extenions 2 Grips 1 Induction plier 1 Instruction manual <p>Dimensions: 147x70x39 mm Weight: 350 g</p> <p>Digital engine tachometer is included in 03.1</p>	2.00

 <p>13.CO.122624-62</p>	<p>Pos.No.: 03.5</p> <p>13.CO.122624-62 Digital laser contact less revolution counter</p> <ul style="list-style-type: none"> -Min/max hold fuction -Backlight -Accuracy $\pm 0,005\% + 1$ Digit -Measurement distance 5-50 cm -Rpm range 2-99999 <p>Sypply with:</p> <ul style="list-style-type: none"> 1 9 v Battery 1 Storage case 1 Reflectorstrips 60 cm 1 Operation manual <p>2 Spare reflectorstrips</p>	<p>1.00</p>
 <p>73 344 039</p>	<p>Pos.No.: 04.0.1</p> <p>73 344 039 Worktable for assembly work</p> <p>Frame made of square tube mm = 30x30</p> <p>Adjustable in height mm = 800-850</p> <p>Plate dimensions mm = 1500x800</p> <p>with sheet steel top</p>	<p>2.00</p>
 <p>73 345 003</p>	<p>Pos.No.: 04.0.2</p> <p>73 345 003 Drawer for work table</p> <p>Dimensions mm = 490x560x150</p> <p>RAL 5010</p>	<p>2.00</p>
	<p>Pos.No.: 04.0.3</p> <p>66 136 007</p>	<p>2.00</p>

	<p>Parallel-vice milled clamping jaws, surface hardened made of steel, die forged with protected spindle and guide ways guide ways adjustable Jaw width mm = 125 Clamping width mm = 160 For pipe- inch = 1/4 - 3 Weight kg = 9,3</p>	
	<p>Pos.No.: 04.1.1</p> <p>73 344 033 Worktable for assembly work Frame made of square tube mm = 30x30 Adjustable in height mm = 800-850 Plate dimensions mm = 1500x800 with beech wood top</p>	4.00
	<p>Pos.No.: 04.1.2</p> <p>73 345 003 Drawer for work table Dimensions mm = 490x560x150 RAL 5010</p>	4.00
 <p>13.SP.04.033.00</p>	<p>Pos.No.: 05.</p> <p>13.SP.04.033.00 Timing light for petrol and diesel engines Country of Origin: Italy 5 functions petrol and 2 for diesel: RPM 300 + 9990 Dwell 20-99.9° Volt 0.1-60 V Volt peak 0.1-60 V Advance 0.1-99.9° RPM diesel Advance diesel</p>	3.00
	<p>Pos.No.: 06.1</p> <p>73 241 09L100</p>	6.00

	<p>Perforated Board for tools for wall mounting Without mounting material Dimension mm = 1000 x 450 Square holes mm = 10x10 RAL 5010</p>	
 <p>73 261 09WBSET18</p>	<p>Pos.No.: 06.2</p> <p>73 261 09WBSET18 Hook set 18-parts</p>	<p>3.00</p>
 <p>73 225 05228B40</p>	<p>Pos.No.: 10.1</p> <p>73 225 05228B40 Mobile workbench With 4 wheels Plate beech wood mm = 40 1 drawer mm = 180 1 cabinet door mm = 360 Dimension mm = 1000 x 700 x 840 RAL 5010</p>	<p>2.00</p>
	<p>Pos.No.: 10.2</p> <p>73 385 007 Anti slip mat made of Nylon/PVC Size mm = 900x600x5</p>	<p>2.00</p>

 <p>13.IT.40085</p>	<p>Pos.No.: 11.</p> <p>13.IT.40085 Air operated degreaser - cleaning tank in stainless steel The basin (cap. 60 Ltrs.) is mounted on a 80 Ltr. reservoir.</p>	<p>1.00</p>
 <p>91 137 002 S</p>	<p>Pos.No.: 12.</p> <p>91 137 002 S Halogen flood light, portable with halogen bulb 500 Watt IP 44 With cable length 1.8 m and plug 230 V With steel pipe support, black</p>	<p>2.00</p>



30.T.BSTS20



30.T.BSTS10

Pos.No.: 13.

30.T.BSTS2

Automotive system and electronic trainer
The trainer consists of 4 main kits each representing automotive systems:

- Automotive electric/electronic BSTS10 training kit
- Electronic ignition training kit BSTS20
- ABS training kit BSTS30
- LE fuel injection training kit BSTS40

The kits are used as a complete hands-on approach to automotive systems, electric, electronic circuit for operation, diagnostic, trouble shooting and testing techniques. Trainees learn industry related skills in a step by step learning program that does not require prior electrical training. The courses use automotive circuit schemes, moulded components with sectioned diagrams, being connected as integrated automotive electric, electronic circuit.

An additional kit of used real components enhances the hands-on experimental and diagnostic work of the trainees as real life conditions are recreated.

Supply with four training manuals in english language.

4.00



30.T.BSTS30



30.T.BSTS40



68 T 829034

Pos.No.: 14.1

1.00

68 T 829034
Battery charger and starter, 1-phase,
Country of Origin: Italy
micro processor controlled
Mains voltage $V = 230$
Absorbed power charge $kW = 1.5$
Absorbed power start $kW = 9.5$
Charge/starting voltage $V = 6/12/24$
Charge voltage $V = 12/24$
Effective charge current $A = 75$
Rated charge current $A = 40$
Start current 1V/C $A = 300$
Max. starting current $A = 400$
Charge current regulation $A = 1-40$
Min. rated ref. capacity $Ah = 10$
Max. rated ref. capacity $Ah = 600$
Dimension $mm = 390 \times 260 \times 230$
Weight $kg = 19.5$



68 T 803002

Pos.No.: 14.2

68 T 803002
Trolley for car spotter 5500 Plus
Dimensions cm = 51x48x84
Weight kg = 13.5

1.00





13.G 829321




Pos.No.: 15.



68 T 829321
Battery charger with starter, 1-phase,
Country of Origin: Italy
mobile, for lead-acid batteries.
Mains voltage V = 230
Absorbed power charge/start. kW = 1.6/10
Charge/starting voltage V = 12/24
Charge current A = 75
Conventional current A = 50
Absorbed power charge/start. kW =
Starting current max. A cc = 400
Conventional current A = 300
Rated reference cap. Ah 15h min.= 20
max.= 1000
Charge current regulation = 4
Dimension mm = 330x360x650
Weight kg = 16.3

1.00

-Protection against overloads and

	<p>polarity reversal -Choice of normal charge -Quick charge (BOOST) -Quick start -Display of charging and starting current</p>	
 <p>13.G 605</p>	<p>Pos.No.: 16.</p> <p>13.G 605 Battery acid tester</p>	<p>5.00</p>
 <p>13.G 610</p>	<p>Pos.No.: 18.</p> <p>13.G 610 Battery service kit, 13-pieces in sheet steel carrying case with acid proof plastic insert Comprising:</p> <ul style="list-style-type: none"> 1 Double open ended spanner mm = 10x13 1 Water pump plier DIN 5231/B mm = 240 1 Screwdriver mm = 6,5 1 Steel wire cleaning brush 1 Bulb filler 1 Acid tester 1 Terminal puller 2 arms 60x60 mm 1 pole clamp reamer 1 cable knife 1 isolating tape 1 Battery carrying strap L mm = 470 1 Plastic bottle l = 2 	<p>1.00</p>

 <p>13.G 1.12-02</p>	<p>Pos.No.: 18.1.1</p> <p>13.G 1.12/02 Battery terminal puller, 2-legs Opening mm = 60 Travel mm = 40</p>	<p>1.00</p>
 <p>13.G 609</p>	<p>Pos.No.: 18.1.2</p> <p>13.G 609 Battery carrying strap with two clamping eylets</p>	<p>1.00</p>
 <p>13.BE 01757002:004:006</p>	<p>Pos.No.: 18.1.3</p> <p>13.BE 01757 006 Battery filler plastic Contents cc = 1000</p>	<p>1.00</p>
	<p>Pos.No.: 18.2.1</p> <p>13.BE 01757 004 Battery filler plastic</p>	<p>1.00</p>

	Contents cc = 500	
	Pos.No.: 18.2.2 65 422 012 Measuring can made of plastic, oil, acid proof with pouring spout and volume scale Capacity ltr. = 1,0	1.00
	Pos.No.: 18.2.3 13.BE 01757 006 Battery filler plastic Contents cc = 1000	1.00
 13.BE 01757 0020	Pos.No.: 18.2.4 13.BE 017570020 Battery filler plastic Contents cc = 1000	1.00
 13.BE 1758	Pos.No.: 18.2.5 13.BE 1758 Plastic funnel Length mm = 410 Dia. mm = 95	1.00



13.VB.10090

Pos.No.: 20.1

13.VB.10090
Dynamo for cars on base
Sectioned training model
Dimensions cm = 25x20x20
Net weight kg = 6

1.00









13.VB.10080


Pos.No.: 20.2


13.VB.10080
Alternator for cars on base
Sectioned training model
Dimensions cm = 25x20x20
Net weight kg = 4


1.00

 <p>13.VB.10070</p>	<p>Pos.No.: 20.3</p> <p>13.VB.10070 Starting motors for cars on base Sectioned training model Dimensions cm = 25x20x20 Net weight kg = 6</p>	<p>1.00</p>
 <p>13.VB.10060</p>	<p>Pos.No.: 20.4</p> <p>13.VB.10060 Distributor on base Sectioned training model</p>	<p>1.00</p>
 <p>13.VB.10050</p>	<p>Pos.No.: 20.5</p> <p>13.VB.10050 Coil on base Sectioned training model</p>	<p>1.00</p>

 <p>13.VB.10040</p>	<p>Pos.No.: 20.6</p> <p>13.VB.10040 Car battery Sectioned training model</p>	<p>1.00</p>
 <p>13.VB.10020</p>	<p>Pos.No.: 20.7</p> <p>13.VB.10020 Preheating plug circuit operating system on base Sectioned training model The glow plug preheating circuit of an indirect inject. diesel engine is shown Dimensions cm = 70x25x55 Net weight kg = 10</p>	<p>1.00</p>
 <p>13.VB.10000</p>	<p>Pos.No.: 20.8</p> <p>13.VB.10000 Coil ignition unit on base Sectioned training model A plastic-plated wooden base is the sup- port of the main components of the coil ignition of a 4-stroke engine: battery, spark coil, coil, spark plugs. Rotating flywheel shows the peration of the whole unit (the action of the platinum points and of teh distri-</p>	<p>1.00</p>

	<p>butor can be obsered through the section) and the spark flashing in the respective spark plugs is show as well. Dimensions cm = 70x25x55 Weight kg = 10</p>	
	<p>Pos.No.: 21.</p> <p>74 549 001 S Clip Shelf system, completel galvanized Frame made of posts, steel feet plates cover plates, Frame traverses and frame diagonales Shelves adjustable in height consisting of square tube side rails Dimengsions HxLxD mm = 1972x2180x500 consisting of: 3 pcs.Frames height mm = 1972x500 6 pcs.Shelves S1 mm = 900x500 7 pcs.Shelves S1 mm = 1200x500 3 pcs.containers for shelf 2 partitions mm = 900x500 3 pcs.containers for shelf 2 partitions mm = 1200x500 4 pcs.wall hooks 12 pcs.plastic container boxes mm 500x180x95</p>	<p>1.00</p>

	<p>Pos.No.: 22.</p> <p>74 414 006 Tool cupboard with 2 wing-doors Made of sheet-steel, painted 4 adjustable shelves with lateral ledges as adjustable shelf supports HeightxWidthxDepth mm = 1950x950x450 Doors with safety bordering and reinforced at the rear-side with cylinder locking system on 3 points Colour: green RAL 6011</p>	<p>3.00</p>
	<p>Pos.No.: 23.</p> <p>74 154 003 Swivel stool Cylindrique beech-wood seat Base of form pressed strip steel RAL 7021 anthracit paint finish Adjustable seat height</p>	<p>12.00</p>
	<p>Pos.No.: 24.1</p> <p>94 SC 215385 Desk for teacher Dimensions mm = 1600x800x720 made of rectangular steel rube frame. Plate melamin coated. Quality E1 Thickness mm = 28 colour light grey RAL7035</p>	<p>1.00</p>
	<p>Pos.No.: 24.2</p> <p>94 SC 204020</p>	<p>1.00</p>

	<p>Container for desk mobile, with rollers 2 of it fixable Dimensions mm = W420xD600xH537 with two drawers one drawer with hanging file basket</p>	
	<p>Pos.No.: 25.</p> <p>74 112 151 S Office Chair with arm rest High back type mm = 580 Seating depth mm = 410-460 Seating width mm = 460 Seating height mm = 420-550 Hard weaering fabric cover made of 100 % Polyester, black</p>	1.00
	<p>Pos.No.: 26.</p> <p>78 500 025 First Aid Box E for workshops up to 25 persons with filling acc. to DIN 13 169 E Sheet metal case, green 36x26x10 cm</p>	1.00



75 345357G

Pos.No.: 27.

75 345357G
Utility Sink with cabinet, white, incl.
1 sink
1 drying area
1 water tap
Dimension cm = 100x85x60

1.00