



**Portable AC Electromagnets**

**JAY-PAC  
JAYSON-PAC**

**The Inspectors Choice – True AC Output**

With the introduction of light weight **Lithium Power cells** (which double output energy and which are one third the weight of conventional sealed lead acid units), Johnson and Allen are able to offer for the first time, a **compact portable AC electro-magnet inspection** system.

Choose the electromagnet you prefer (either our tried and tested **JAY** or the lighter weight **JAYSON**)

Combine it with our **AC-Eazy Powerbelt** , (made from tough high quality leather )and you have what we think is the best performing kit on the market today.

**System Features: -**

- **True AC output giving superior “skin effect” advantages over “Pulsed DC”**
- **Particle agitation** giving defined defect indications (The JAY or JAYSONs will also easily pass the current 4.5Kg lift test)
- **Heavy duty steeplejack style leather tool belt** with: - battery holder, control unit holder and electromagnet holder.
- **Belt Accessories** – Aerosol holsters & spare battery case/tool case (for tools / notepads / pens etc)
- **Hands free** travel to site enabling ladder climbing etc (as Ink, Paint, Electromagnet and power supply are all comfortably secured) the belt also allows for good freedom of body movement.
- **No trailing leads.** The **JAY-PAC** or **JASON-PAC** are supplied with **JAY** or **JAYSON** electromagnet. These are fitted with coiled extendable flex, making the operator self contained.
- **Extended operating time** : - a 25% duty cycle gives over 4hrs (JAY) and over 6hrs (JAYSON) The figures are taken on continuous hard use, this equates to a day or more of work with typical inspection use.
- **Powerful 12volt Battery Pack** (only 1.25Kg!) with **5 LED condition indicator** and safety cut out circuit. Protection against overcharge, over temp, over current, deep discharge and short circuit. Flat discharge curve means power is held to the very end of its life. No memory effect (unlike Ni-Cad). Controller is fused and temperature protected for safety (IP 54).
- **Recharging Options:** - Supplied with AC mains charger (14-20hrs), DC vehicle charger and cigar plug output connector. An optional quick battery charger unit is available which enables charging (overnight) within 8hrs – giving day to day use.
- **Field Strength (in air):** -
 

<b>JAY</b>	50mm pole spacing >18kA/m, 140mm spacing > 5.5 kA/m.
<b>JAYSON</b>	50mm pole spacing >15kA/m, 115mm spacing > 5.5 kA/m.
	(In steel typically equating to 20-40 kA/m)
- **Belt weight** – Approx 3.2 Kg



Pictured above a **JAY-PAC** with 2 Aerosol Holsters as standard



12 volt Lithium Battery with 5 LED condition Indicator



Also available with our lighter weight **JASON** electromagnet (Order: - **JASON-PAC**)

## JAY-PAC Order Codes



**Aerosol Holsters      Battery      AC Generator      Electromagnet in holder**  
 Aerosols not supplied but shown for completeness

**The standard JAY-PAC pictured above can also be purchased as a "JASON-PAC" with our lighter weight JASON Electromagnet**

Individualise your JAY/JASON-PAC to your own needs.

The **JAY-PAC** or **JASON-PAC** come as standard with twin leather cases for the battery pack and AC generator, 2 aerosol holsters, as well as a holster for the Electromagnet and the Electromagnet itself. You can add other accessories to the standard package if required.

**Note:-** If you have an existing 110v Electromagnet you wish to make portable, you just require the **AC-Eazy Powerbelt**, please consult our other data sheet, the "AC-Eazy Powerbelt"

**ACCESSORIES**

Aerosols holsters and a utility case to store a spare battery or tools/marker pens/note pads etc. can be added. There is also an option of purchasing a "quick charge" unit, if this is necessary.



Extra aerosol Holsters other than the two supplied as standard can be purchased individually. (accepting 65mm diameter aerosols)

**AH** (Order aerosols separately)



A spare battery/tool case Can be added Approx 110mm wide x 180mm to top of lid x 60mm deep

**BC**



A 110volt socket adaptor is also available so as other 110 volt electromagnets can also be used with the system

**SA**

<p><b>JAY-PAC and JAYSON-PAC</b> includes:-                  110Volt JAY or JAYSON with coiled flex and 90° connector                  2" wide leather belt holding: - 12volt Lithium Battery in leather case                  AC generator with battery lead and connector in leather case                  JAY /JAYSON holder with buckle strap                  2 x Aerosol holsters (accepts 65mmØ cans)                  Carry case for the complete "kit".                  Standard mains charger (110v or 230v) with charger lead to fit car lighter.</p>	<p style="text-align: right;"><b>Order Code</b></p> <p><b>Supplied with JAY Electromagnets</b>                  (Standard belt up to 44" waist) <span style="float: right;"><b>JAY-PAC (S)</b></span>                  (For large belt up to 41-54" waist) <span style="float: right;"><b>JAY-PAC-( L)</b></span></p> <p><b>Supplied with JAYSON Electromagnets</b>                  (Standard belt up to 44" waist) <span style="float: right;"><b>JAYSON-PAC (S)</b></span>                  (For large belt up to 41-54" waist) <span style="float: right;"><b>JAYSON-PAC-( L)</b></span></p>
<p><b>ACCESSORIES</b></p> <p><b>Aerosol Holster accessory</b>                  Belt mountable Leather 65mm Ø Aerosol Holster for paint and ink aerosols. Sold individually</p> <p><b>Spare battery case/tool case</b>                  Case can be used to store a spare battery tools/marker pens/note pads etc.</p> <p><b>Quick Charger</b> (110v or 230v input) 8hr full charge time</p> <p><b>Spare 12volt Lithium Battery Pack</b> - for extended hard work use (One battery will last approximately 8hrs during normal inspection use)</p> <p><b>110 volt Socket Adaptor</b> – This enables use of JAYs and JASONs (other than the one supplied) which are fitted with 110 volt plugs  <b>(Most other manufactures 110 volt electromagnets, drawing less than 4 Amps are compatible too- please confirm compatibility on an individual basis)</b></p>	<p style="text-align: right;"><b>Order Code</b></p> <p>1 Aerosol holster (accepts 65mm Ø Aerosols) <span style="float: right;"><b>AH</b></span></p> <p>Spare battery case/tool case <span style="float: right;"><b>BC</b></span></p> <p>Quick Charger for 17Ah Lithium battery <span style="float: right;"><b>QC</b></span></p> <p>Spare Lithium Battery <span style="float: right;"><b>BP</b></span></p> <p>110 volt Socket Adaptor <span style="float: right;"><b>SA</b></span></p>