DESCRIPTION
The extraktLAB E-180 is the fastest, most advanced and most powerful CO$_2$ extraction machine on the market today. The machine is designed to provide high yield in a short period of time while satisfying the traceability requirements for GMP compliancy.

extraktLAB's supercritical CO$_2$ extraction equipment can run a variety of extraction methods.

FEATURES
- Sub or Supercritical CO$_2$ Extractions
- Full Spectrum Extracts
- Fully Automated Methods
- UL, ASME, PED, EPR Certified
- Scalable
- GMP Compliant Software

EXTENDED

**PROCESSING POWER**
- Up to 844 lbs/day
- 16 kg/cycle biomass
- 60 min/cycle @ 10% plant potency
- 90+% hemp efficiency
- 95+% marijuana efficiency
- 48 sq ft footprint
- 85 Full Load Amps (FLA)

**PROCESS CONTROL**
- Programmable methods
- Automated extraction cycles
- Independent vessel control
- 0 - 5000 psi
- 25 - 100$^\circ$ C
- Cyclonic separation
- Data capture/reporting

**GMP COMPLIANCE**
- Automated process control
- Batch, operator, parameter tracking
- FDA approved materials
- Instrument calibrations
- Clean in place
- International certifications
- Calibration/maintenance tracking
### SPECIFICATIONS

<table>
<thead>
<tr>
<th>ATTRIBUTE</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomass Input / Cycle</td>
<td>10-16kg</td>
</tr>
<tr>
<td>Cycle Time @ 10% pp</td>
<td>60 min</td>
</tr>
<tr>
<td>Biomass Processing / Day</td>
<td>384kg / 844 lbs</td>
</tr>
<tr>
<td>Efficiency – Oil Recovery</td>
<td>Hemp 90+% / Marijuana 95+%</td>
</tr>
<tr>
<td>Extraction Vessels</td>
<td>4 X 20L</td>
</tr>
<tr>
<td>Collection Vessels</td>
<td>2 X 20L</td>
</tr>
<tr>
<td>CO2 Recycle Vessel</td>
<td>20L</td>
</tr>
<tr>
<td>Footprint</td>
<td>48 sq ft</td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>6,200 lbs</td>
</tr>
<tr>
<td>Dimensions (w/o light mast)</td>
<td>H 72&quot; × L 129&quot; × W 53&quot;</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>0 to 5000 psi</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>25 to 100°C</td>
</tr>
<tr>
<td>Sound Pressure</td>
<td>50 db</td>
</tr>
<tr>
<td>User Interface</td>
<td>Touch Screen HMI Panel</td>
</tr>
</tbody>
</table>

### DATASYSTEM
- Export data, diagnostics and event logging, data traceability, unlimited working level access, user traceability method, CO2 lot, input lot trace
- Regulatory Compliance
- 21 CFR Part 117, 211, 177 and Health Canada equivalents, P.E. stamped according to ASME DIV II VII-2 PED compliant, CE marked, notified body Lloyd's Register, CRN number
- Cleaning Methods
- Supercritical CO2, alcohol, non-polar solvents
- Calibration / Maintenance
- Software tracking built-in
- Training records
- Software tracking built-in

### LINE DRAWINGS

**SIDE VIEW**

**FRONT VIEW**

E-180

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United Science