

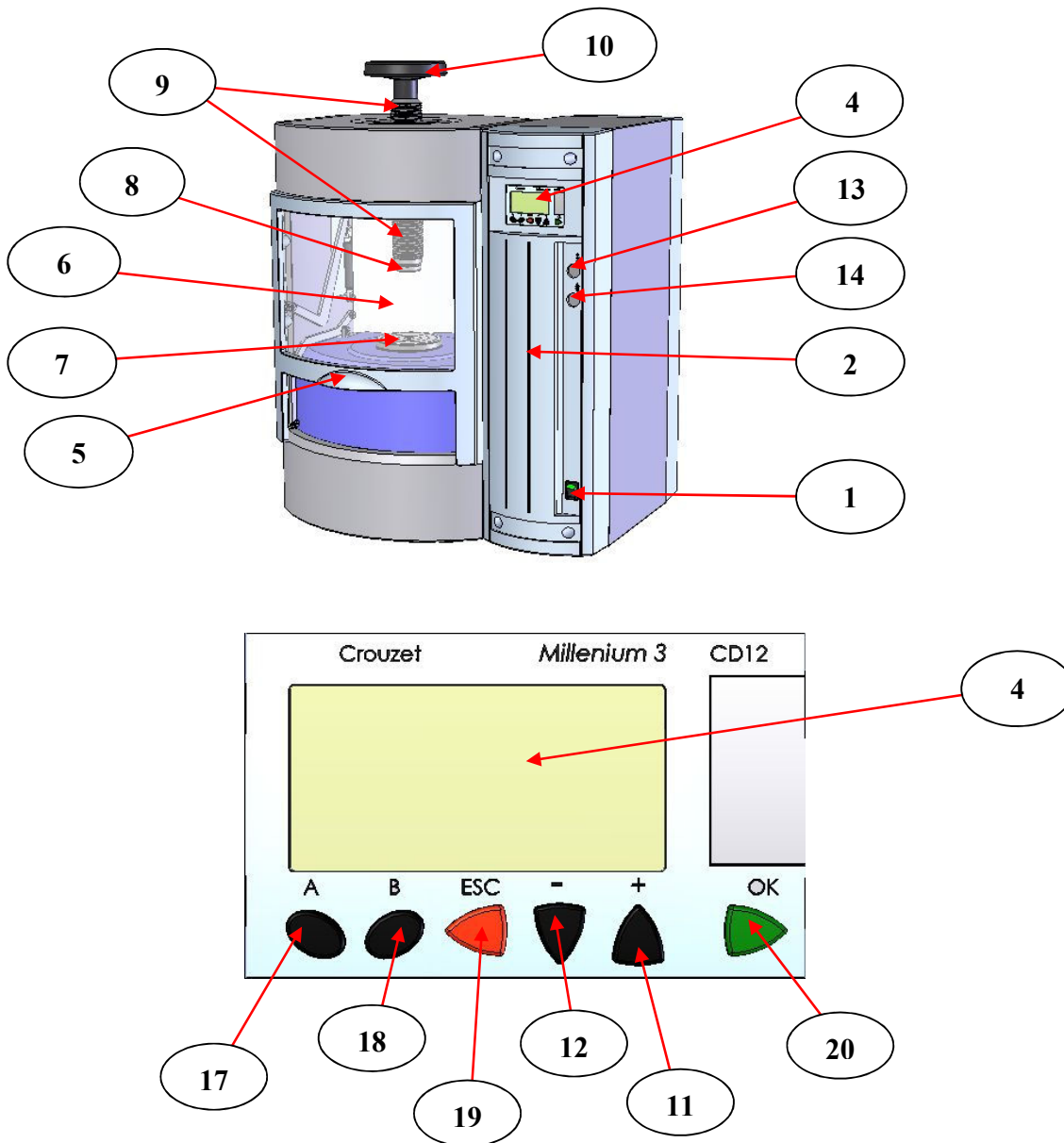


## Quickstart Guide for the Atlas™ Power Press 8T/15T/25T

Important – Please refer to the Introduction, Unpacking Check List and General Health and Safety sections of the main user manual (sections 1, 2 & 3)

Note – In this Quickstart Guide the diagram numbers remain the same as those used in the main user manual

### Front View & Parts Identification of the Atlas™ Power Press & its Electronic Controller





- (1) On/off power switch.
- (2) Front panel.
- (4) Electronic display screen.
- (5) Front moveable safety guard.
- (6) Pressing area.
- (7) Lower piston pressing face.
- (8) Top bolster anvil.
- (9) Lead screw.
- (10) Handle of lead screw.
- (11) Increase load button.
- (12) Decrease load button.
- (13) Start (apply load) button.
- (14) Stop (release load) button.
- (17) Change language button (forward sequence).
- (18) Change language button (backward sequence).
- (19) Time and date button.
- (20) Button with no function.

The main load functionality and control of the Atlas™ Power Press is indicated from the Electronic Controller unit (4). Please note button (20) currently has no function. Button (19) displays the date and time.

### **Language Setting**

The Electronic Controller can display the status conditions in English, French or German languages. Button “A” (17) will cycle through English – French – German each time the button is pushed. The “B” (18) button cycles back. The language setting is retained when switched off and will be displayed when the Atlas™ Power Press is next switched on.

### **Setting The Load To Be Applied By An Atlas Power Press**

In this example, the Atlas™ Power 25T Press is set with a load of 18 Tons. The Atlas™ Power Presses 8T and 15T can be used in a similar way up to their maximum of 8 Tons and 15 Tons respective loading.



English

**ATLAS POWER T-25 PRESS Apply 18 Ton Load**

Switch on with guard closed

SetLoad=03
TONS=00.0
Ready

After 30 seconds or prior use with guard closed

SetLoad=03
TONS=00.0
READY

Raise guard insert sample

SetLoad=03
TONS=00.0
Close Guard

Close guard - SetLoad +/- buttons

SetLoad=18
TONS=00.0
Ready

Push Start - TONS value starts to rise

SetLoad=18
TONS=00.0
Load Rising

If TONS stops at value < SetLoad push start

SetLoad=18
TONS=18.0
READY

Press release

SetLoad=18
TONS=04.5
SLOW Release

Pressure release commences

SetLoad=18
TONS=00.0
FAST Release

Pressure release completed

SetLoad=18
TONS=00.0
READY

Remove sample - repeat cycle for next sample



Français

**ATLAS POWER T-25 PRESS Utilisation à 18 Tonnes**

Mise en  
marche (1) -  
vitre de  
sécurité  
fermée

Choix P = 03
Tonnes 00.0
Prêt

Après 30  
secondes ou  
utilisation  
antérieure -  
vitre de  
sécurité  
fermée

Choix P = 03
Tonnes = 00.0
PRÊT

Lever la vitre de sécurité et mettre  
l'échantillon en place

Choix P = 03
Tonnes 00.0
Fermer vitre de sécurité

Fermer la vitre de sécurité - choisir la  
pression voulue en utilisant les boutons +/-  
(11)(12)

Choix P = 18
Tonnes = 00.0
Prêt

Appuyer sur le bouton de pression (13) - la  
valeur de pression monte

Choix P = 18
Tonnes 00.0
Montée en Pression

Si la valeur s'arrête avant la valeur voulue  
réappuyer sur le bouton de pression (13)

Choix P = 18
Tonnes = 18.0
PRÊT

Pour relacher pression appuyer sur le bouton

Choix P = 18
Tonnes = 04.5
Chute de P Lente

La chute de pression commence

Choix P = 18
Tonnes 00.0
Chute de P Rapide

La chute de pression est complète

Choix P = 18
Tonnes = 00.0
PRÊT

Enlever l'échantillon - répéter le cycle



Deutsch

**ATLAS POWER T-25 PRESS Nutzung bei 18 Tonnen**

Den Netzschalter betätigen – das Schutzschild sollte geschlossen sein

Sollwert 03
Tonnen 00.0
Fertig

Nach 30 Sekunden oder vorheriger Benutzung – das Schutzschild sollte geschlossen sein

Sollwert 03
Tonnen 00.0
FERTIG

Das Schutzschild öffnen und die Probe plazieren

Sollwert 03
Tonnen 00.0
Schutzschild
Schliessen

Das Schutzschild schliessen – den Sollwert mit den +/- Tasten (11)(12) einstellen

Sollwert 18
Tonnen 00.0
Fertig

Die Druckaufbautaste (13) betätigen – der Wert steigt

Sollwert 18
Tonnen 00.0
Druckaufbau

Sollte der Wert unter dem Sollwert sein die Druckaufbautaste (13) betätigen

Sollwert 18
Tonnen 18.0
FERTIG

Die Druckabbautaste (14) betätigen

Sollwert 18
Tonnen 04.5
Druckabbau
Langsam

Der Druckabbau beginnt

Sollwert 18
Tonnen 00.0
Druckabbau
Schnell

Der Druckabbau ist abgeschlossen

Sollwert 18
Tonnen 00.0
FERTIG

Die Probe entfernen – Vorgang mit einer neuen Probe wiederholen



## **Applying A Load To A Sample**

After the load requirement has been set into the controller, the item to be pressed can now be placed into the pressing area (6)

However; please ensure that the maximum load specification is not exceeded. All Specac dies have a maximum load specification and must not be exceeded.

1. Raise the safety guard (5)
2. Place the Specac die or work centrally onto the lower pressing face (7). The rings engraved onto the face of the lower pressing surface (7) can be used as a guide.
3. By turning the lead screw handle (10), lower the lead screw (9) till it is just above the item to be pressed by about 0.5~1.0mm

At this point the user must be confident that the item is central so that when the press is started, that the lead screw top bolster anvil (9, 8) will be in suitable contact with the work to be pressed. For example it must not be on the edge of the work and so potentially lead to uneven loads which may cause damage to the item being pressed and damage to the press itself. If the work was to slip while under load leading to sudden and unexpected load loss; this could potentially lead to a hazardous situation.

4. Lower the safety guard (5)
5. Press the start button (13)
6. After the operator desired time, press the stop button (14). After pressing the stop button, the load will reduce to '0'
7. If needed, raise the lead screw by turning the lead screw handle (10)
8. The front safety guard (5) can then be raised, the work removed and then the press can be prepared for the next procedure

Note – while under load or applying a load, the user can lift the front safety guard (5), which will automatically terminate the pressing operation and reduce the load to '0'

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