

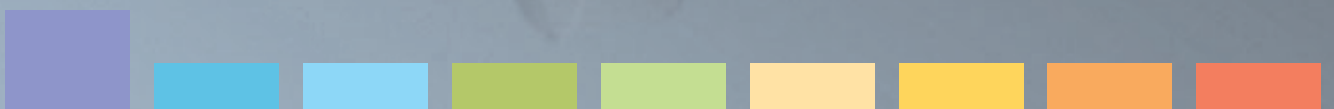
Sopamat®



SOPAP



Sopamat®

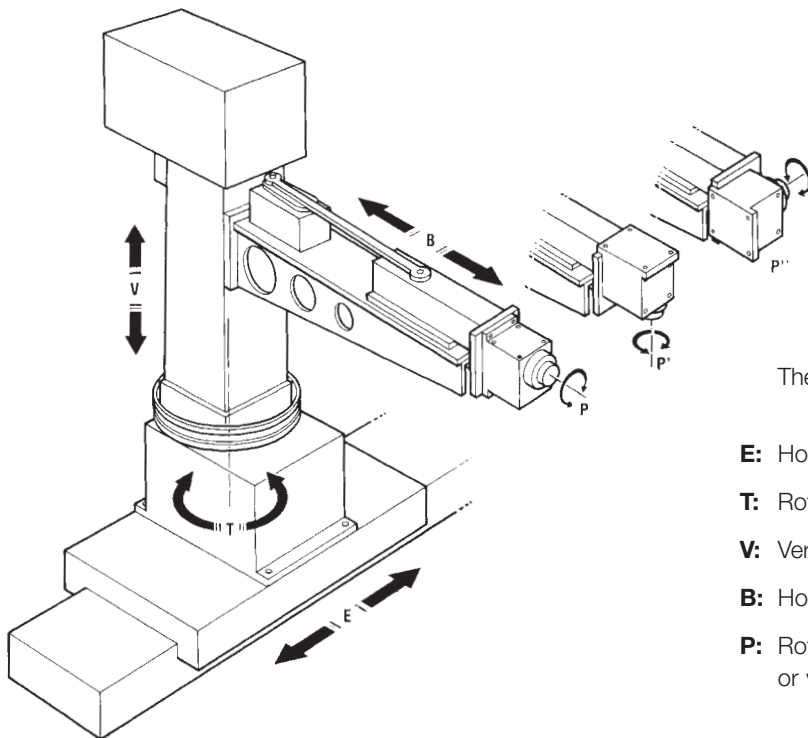


The mechanical multi-axis handling system

The particularity of the SOPAMAT® resides on a single mechanical cam index drive supplying successively rotary (intermittent or oscillating), and linear (back and forth) motions.

Each movement has its own drive control offering a wide variety of motion cycles and therefore offering to the end-user the most suitable cycle to the required application.

The SOPAMAT® consists of five units, allowing the end-user to select various axes freely.



The five main axes are as follows:

- E:** Horizontal linear motion of the base plate
- T:** Rotary motion of shaft
- V:** Vertical linear motion
- B:** Horizontal linear motion of the transfer arm
- P:** Rotary motion of grip around a horizontal or vertical axis

Advantages:

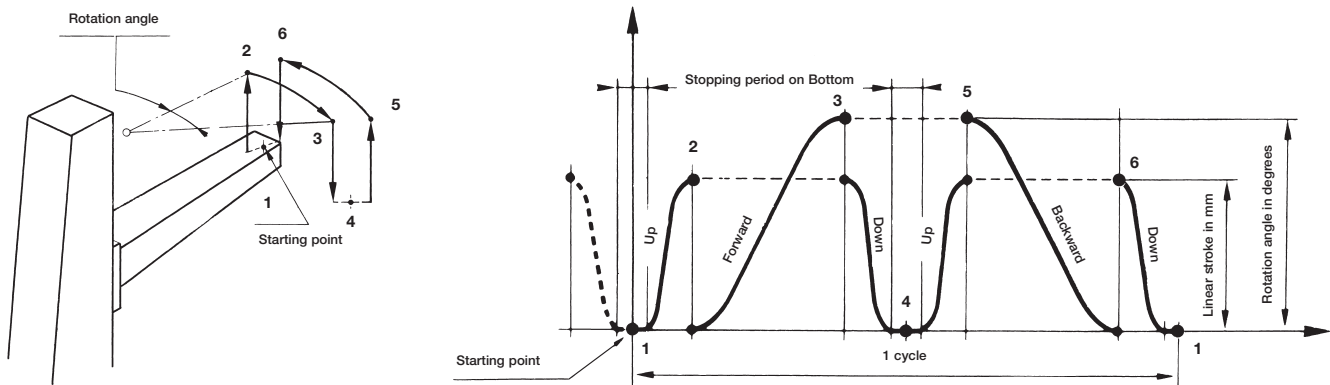
- Compact design
- Mechanical drive thus safe and reliable
- Do not require extra indexing
- high positioning accuracy
- long lifecycle
- Short transfer times
- acceleration curves can be selected according to application
- Positive positioning
- reduction of dead zones
- No noise and vibration
- High transmissible tilting torque
- High operating cadence

An additional advantage of the SOPAMAT®: each movement is driven by an AC motor conforming to European standards. All motion is procured by cams having a dwell period permitting the motor to start and to brake without a load, guarantying long life and high rate of cycles per hour.

The SOPAMAT® can be controlled by a PLC unit and hence easily installed in an automated production line.

OPERATING DESCRIPTION

EXAMPLE OF A CYCLE «  » (most common application)



Principle of operation

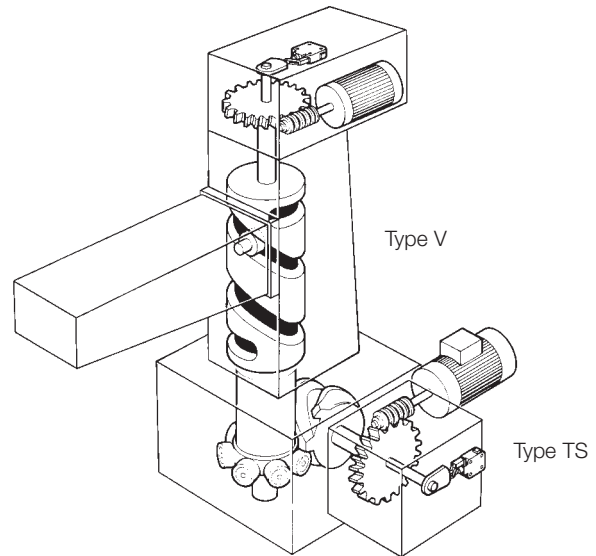
All movements are single-stroke. Backward motion is obtained by reversing the motor.

The brake-motor, for the motion **T**, stops on points **3** and **6**.

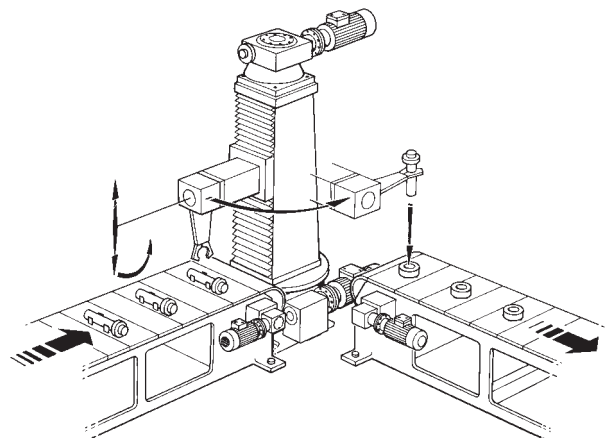
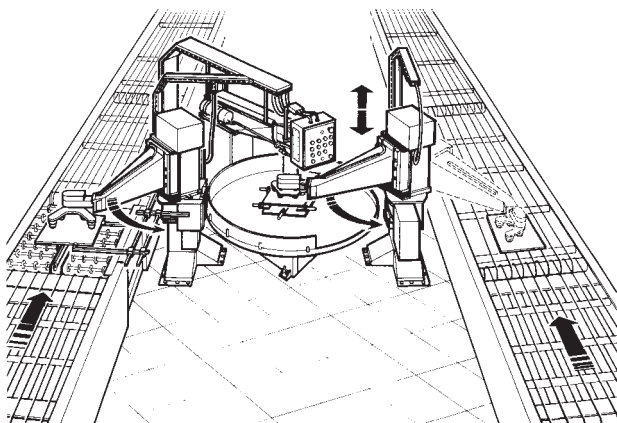
The brake-motor, for the motion **V**, stops on points **1 / 2 / 4 / 5**.

The SOPAMAT® can also be stopped in the mid-stroke in order to have an intermediate waiting position.

The stopping time at each point is adjustable regarding to application.



Examples of application:

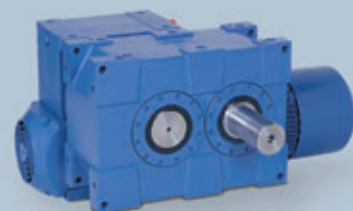
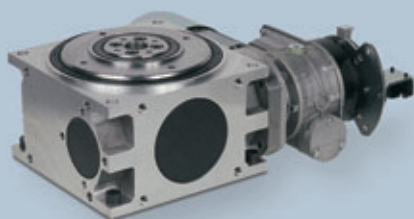




SOPAP



SOPAP ensures quality and reliability



France

SOPAP SAS
Z.A.M Châlons Nord
1 Rue des Vignettes
F-51520 La Veuve

Téléphone: +33 (0) 3 26 69 21 21
Télécopie: +33 (0) 3 26 69 21 31
E.mail: info.fr@sopap.com

Deutschland Süd

SOPAP GmbH
Mittelöschstrasse 21
D-88213 Ravensburg

Telefon: +49 (0) 751 9507
Telefax: +49 (0) 751 92583
E.mail: info-sued.de@sopap.com

España

SOPAP Automatización S.L.
%Las Cruces nº6 – Bajo C
E-28230 Las Rozas
Madrid

Teléfono: +34 91 636 01 39
Teléfax: +34 91 636 02 64
E.mail: info.es@sopap.com

Benelux

ADR
Solvayweg 18
6049 CP Herten-Roermond
Nederland

Telefoon: +31 475 337379
Fax: +31 475 337444
E.mail: info.nl@sopap.com

Brasil

Triaxis
Rua Bulgária, 215
Vila Santa Luzia
09871-100 Sao Bernardo do Campo

Telefone: +55 11 4361 4977
Fax: +55 11 4361 9004
E.mail: info.br@sopap.com

Deutschland Mitte

Konstruktionsbüro Becker
Hch. Von Brentanoweg 2
D-64683 Einhausen

Telefon: +49 (0) 6251 856601
Telefax: +49 (0) 6251 987701
E.mail: info-mitte.de@sopap.com

USA

SOPAP LLC
560-A Brookshire Road
29651 Greer
South Carolina

Telephone: +1 864 801 1450
Fax: +1 864 801 1460
E.mail: info-sc.usa@sopap.com

USA

Rudy V. Colombi
2696 Red Fox Trail
48098 Troy
Michigan

Telephone: +1 248 840 2377
Fax: +1 248 540 7535
E.mail: info-mi.usa@sopap.com

Canada

DOLYX trading inc.
171 Nicholson Crt.
L7N 3N5 Burlington
Ontario

Telephone: +1 905 631 6615
Fax: +1 905 631 6244
E.mail: info-on.ca@sopap.com