



# HYDRAULIC PRESSING MACHINES PRODUCT RANGE

**DIESEKO GROUP**



**PILING & VIBRO EQUIPMENT**

## PRODUCT RANGE PRESSING MACHINES



## PRESSING MACHINES - FOR DELICATE SITUATIONS

The PVE pressing machine is a leader guided multifunctional machine, which is used to press sheet piles into the ground. During operation the pressing machine does not generate any vibrations. As the pressing machine presses the piles into the ground, rather than vibrating or hammering, the ground is not disturbed and the impact on the surroundings is almost zero. A perfect solution for your inner city foundation project.

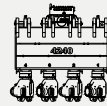
## PRESSING TECHNIQUE

The main principle is the use of the four hydraulic cylinders that push the sheet piles into the soil. Oil pressure is provided by the rig or an additional power pack. The four independently working cylinders are equipped with clamps holding the same number of sheet pile sections. Pressing one sheetpile section alternates holding to the other sections.

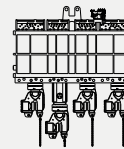
## PRESSING MACHINES CAN DRIVE:

- U profiles
- Z profiles

## HYDRAULIC PRESSING MACHINES



4240



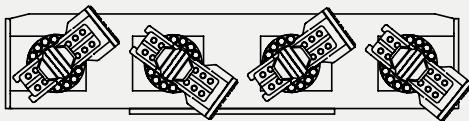
4375

### Pressure cylinder

Max. pressure	bar	350	350
Pull force (320 bar)	kN	500	850
Push force (320 bar)	kN	800	1250
Stroke	mm	440	550
Max. oil flow (per cylinder) L/min		120	365
Total weight (incl. clamps)	kg	6850	14.500

### Hydraulic clamp

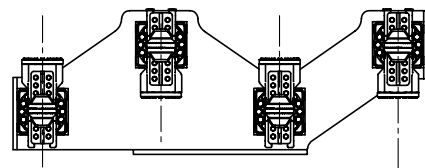
Max. working pressure	bar	350	350
Clamping force	kN	800	1250



### Example: 4240Z for Z-profiles / 630-700 AZ frame

possible sheet piles: AZ 17 - 17-700 - 18 - 18-700 - 19 - 19-700 - 20 - 20-700 - 24 - 24-700 - 25 - 25-700 26 - 26-700 - 28 - 28-700 - 34 - 34-700 - 36 - 36-700 - 37 - 37-700 - 38 - 38-700 - 40 - 40-700 - 41 - 41-700 PZC13\* - PZC18\* - PZC26\* PAZ5680

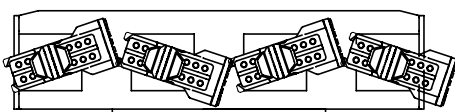
\*with different jaws



### Example: 750 AU frame

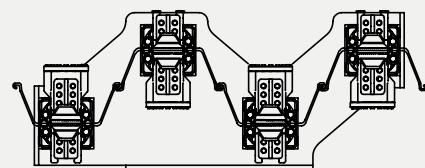
possible sheet piles: AU 14 - 16 - 17 - 18 - 20 - 21 - 23 - 25 - 26\*

\*with different jaws



### Example: 580 AZ frame

possible sheet piles: AZ 46 - AZ48 - AZ50



### Example: 600 PU frame

possible sheet piles: PU 18 - 22 - 25 - 32\*

\*with different jaws



# PRESSING MACHINES FOR SHEET PILES

## APPLICATIONS

- Urban areas and vibration sensitive projects
- Safe working close to existing buildings, under structures, railways etc.
- Suitable for nearly all soil types

## ADVANTAGES

- Easily handled by only two people
- No vibrations, so no harm to surroundings
- Minimum noise compared to other foundation techniques
- Pressing of all U and Z form sheet pile profiles is possible
- Ballasted start-up equipment is not required
- Pressing single and paired sheet piles
- Installs coated piles
- Excellent quality
- Wide range of clamping solutions

## DIESEKO GROUP

- Known for robust and reliable equipment
- Over 40 years of experience with a proven track record
- 24/7 worldwide support
- Large spare parts inventory
- World's largest rental fleet
- Consultancy and financing
- ISO 9001 certified



URBAN



RURAL



HARBOR



INDUSTRIAL



OFFSHORE



The Dieseko Group, which was established in 1974, is a manufacturer of a wide range of products for the foundation industry. The range is divided into five product lines: vibratory hammers and impact hammers, piling and drilling rigs, soil improvement equipment, dredging equipment and hydraulic power units.

Dieseko Group is owner of the brands PVE Piling & Vibro Equipment, ICE International Construction Equipment and Woltman Piling & Drilling Rigs. Dieseko Group also supplies Bell Dredging equipment.

Dieseko Group engineers develop foundation equipment in accordance with the latest regulations. The experienced engineers in the sales and rental department have a profound knowledge of the equipment and are always standing by to advise clients on their specific needs.

Spare parts are in stock for all machines, which can be shipped quickly to dealers and clients worldwide, to avoid downtime on projects.

Service engineers are available 24/7 to support clients on site. With over 60 dealers and branches worldwide, Dieseko Group is a reliable partner for all foundation contractors for consultation, sales, rental and financing.

## DIESEKO GROUP PILING EQUIPMENT



**VIBRATING**



**PRESSING**



**RESONATING**



**PILE DRIVING**



**DRILLING**



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**Dieseko Group certified dealer:**

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