



PAJAKULMA



PURE Σ IGMA^T

INTRODUCING A ROBUST WINTER MAINTENANCE MODEL

More effective utilisation ratio, improved productivity

Sigma and T are the new ABCs of winter maintenance. The extremely effective new Pajakulma patent, PURE Sigma^T, offers a less expensive and more diverse set of equipment for road maintenance.

PURE **SIGMA^T** HEAVY-DUTY WINTER GEAR

T FOR TRUE PRODUCTIVITY

PURE Sigma^T improves vehicle productivity by introducing a more effective utilisation ratio: because the capital tied to your equipment is smaller, you can now do the same work using less expensive equipment. Diverse operations and speedy transition between driving functions further increase your savings. If necessary, the truck unit can be harnessed for maintenance duties throughout the winter season. If the truck is needed for other duties, the transition is quickly accomplished.

SOME ACCESSORIES FOR THE ROAD

PURE Sigma^T revolutionises main road winter maintenance. The combination comprises an intermediate frame, a spreader and a side plough, so you only need to add the following accessories to your truck unit: spreader and plough hydraulics and control units, front mounting for the intermediate frame, a plough ram, and plough lights.

EQUIPPED FOR THE MAIN ROAD NETWORK

The PURE Sigma^T combination is ideal for the main road network, because the front plough, side plough and spreader can be used to perform winter maintenance duties. PURE Sigma^T comes with an automatic Rasco Solid 7.0 spreader and a PURE Delta⁴ side plough. The PURE Delta⁴ side plough increases your working width and the spreader enhances anti-skid treatment.

Our wide, super light PURE Epsilon front plough was designed to supplement the PURE Sigma^T combination. Together, they can be used to clean two lanes in one go, including anti-skid treatment. After the work has been completed, you can detach the plough and leave the empty multiple-function unit on its support legs – and your truck is quickly and easily ready for other use.

YOU CAN CONNECT THE PURE **SIGMA^T** TO YOUR TRUCK IN A FLASH:

1. Couple PURE Sigma^T to the truck unit's fifth wheel.
2. Connect the PURE Sigma^T hydraulics and electrical connections.
3. The unit is now ready for main road winter maintenance.



PURE **SIGMA^T**

- + Moderate price = small initial investment
- + Multiple uses
- + Quick and easy coupling of winter equipment
- + Lowers the threshold for taking on winter maintenance duties
- + Harnessing 6x4 truck units for winter work
- + Requires only minor modifications to the truck
- + Extremely small turning radius
- + Diverse truck unit operating possibilities throughout the year

CHASSIS REQUIREMENTS

- Truck unit with a fifth wheel
- Minimum wheelbase 3,200 mm
- Engine power take-off
- A space is required in front of the right pulley for the side plough front-lift.

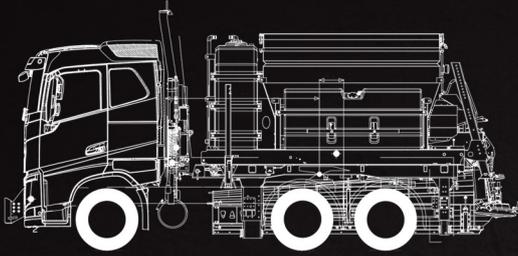
FIXED INSTALLATIONS TO THE CHASSIS

- Oil tank module, including
 - Hydraulic valves
 - An oil container
 - An oil cooler
 - Hydraulic piping
 - PURE Sigma^T's intermediate frame front locking
- A variable displacement pump
- Hydraulic piping/hoses
- Control unit: plough/spreader hydraulics
- Control unit: automatic spreader
- Side plough frame brackets/fasteners
- Plough ram

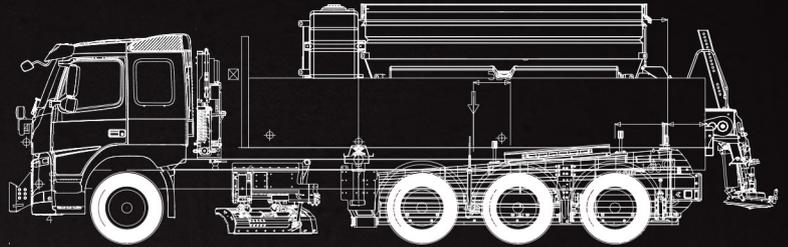
PURE **SIGMA^T** PURE DELTA⁴ SIDE PLOUGH

- Maximum side plough working width 3,950 mm
- Total blade length 4,450 mm
- Wing height 1,050 mm
- Wing weight 700 kg
- Ploughing angle 0–60°
- Blade angle 60°
- Required hydraulic flow 100 l/min. / 210 bar
- Side plough transportation width 570 mm
- PURE Sigma^T weight with an automatic Rasco Solid 7.0 spreader 5,100 kg
- Weight without spreader approx. 2,080 kg
- Weight without spreader and side plough wing approx. 1,280 kg
- Working width together with PURE Epsilon 4.6 a total of 7.5 m

CHASSIS 6X4, TRUCK UNIT



CHASSIS 8X4, REAR PILOTED



ESTIMATED PROCUREMENT PRICE AT CURRENT PRICES

| | Chassis 6x4, truck unit | Chassis 8x4, rear piloted |
|--|-------------------------|---------------------------|
| TRACTOR UNIT | | |
| Chassis | €120,000 | €135,000 |
| Hydraulics + equipment | €25,000 | €110,000 |
| Automatic spreader | €35,000 | €35,000 |
| Sigma ^T | €30,000 | |
| Tractor unit price | €210,000 € | €280,000 |
| TRAILER | | |
| Semi-trailer | €45,000 | |
| 5-axle trailer | | €85,000 |
| Combination price | €255,000 | €365,000 |
| ACQUIRING A NEW TRACTOR UNIT IN, FOR EXAMPLE, 5 YEARS' TIME | | |
| Chassis | €120,000 | €135,000 |
| Hydraulics + equipment | €25,000 | €110,000 |
| Automatic spreader | €0 | €0 |
| Sigma ^T | €0 | |
| Tractor unit price | €145,000 | €245,000 |
| Total price (e.g. over 10 years) | €400,000 | €610,000 |



PAJAKULMA
POWER AND DURABILITY IN
DEMANDING ENVIRONMENTS

Heavy transportation equipment supplier Pajakulma Oy provides leading expertise in Finland in the design and construction of commercial vehicle frames and surface structures as well as related lifecycle services.

SERVICES / PRODUCTS / SPECIAL SOLUTIONS
 EXCHANGE +358 10 232 1000 / WWW.PAJAKULMA.FI/EN