BRAUN Dished Ploughshare and Cultivator

LUV Perfekt
BRAUN Dished ploughshare and Cultivator LUV Perfekt

is the “perfekt” implement for fruit growing and viticulture

Our LUV Perfekt is designed to perform all required operations around the vine trunk in an efficient and environmentally friendly manner. With its modular construction, the basic LUV undervine cultivator can be supplemented with the addition of other BRAUN implements. This enables the vineyard owner to cultivate the vineyard in a manner that suits the specific conditions encountered. With the BRAUN system your vineyard will be free from weeds without the use of harmful chemicals.

Advantages of the BRAUN system are:
- Precision controlled vertical lifting
- Electromagnetic manual emergency tripping capability
- Sensing feeler adjustment at ploughshare
- Easy assembly and dismantling of modular system
- Changing of the tools is quick and easy due to the integrated bracket
- and much more

With our 60 years of extensive knowledge and experience in all soil types and conditions throughout the world, the BRAUN system is simply “perfekt”!

Technical Data

**Lane width**
- Front starting: at 1,2 m
- Mid-axle-One-sided starting: at 1,3 m
- Double-sided starting: at 1,5 m

**Cam height**
- Front: 500 mm
- Mid-axle: 500 mm
- Can be adjusted higher if required

**Oil requirement**
- One-sided: 12 l/min.
- Double-sided: 24 l/min.

1. Emergency tripping device
2. Precision vertical lifting
3. Integrated bracket for various tools
4. Remote control
5. LUV-Dished-Ploughshare and Cultivator
6. Rigid shaft, especially with cultivator share
LUV Perfekt for front, mid-axle, and rear mounting Over-line Tractors

Examples of mounting and assembling equipment options

**FRONT**

LUV Perfekt front-mounted with single vertical lift
LUV Perfekt left and right sides mounted on the single vertical lift equipped with coulter discs for Summer work. The coulter discs cut a precise edge along the grassed aisle.

LUV Perfekt front-mounted with double-sided precision vertical lifts
When front mounted with double-sided precision vertical lifts, each ploughshare functions independently. The coulter discs can be adjusted independently to the correct depth on each lift, even on slopes. The reliable and proven precision vertical lift leans slightly towards the front enabling the coulter discs to cut through the soil independently, even at shallow depths.

**MID-AXLE**

LUV Perfekt mid-axle mounted with coulter disc
Mid-axle mounted with hydraulic width adjustment provides for the most convenient cultivation.
The reasons:
- Optimal overview and control by tractor operator.
- Optimal plough control
- No extension of tractor length
- No increased turning circle
- No unnecessary wear and tear on steering mechanism and front wheels.

Other equipment options

LUV Perfekt with under-vine flail mulcher
For heavy or out of control weed growth in vineyard areas, the mid-axle mounting of the LUV with the undervine flail mulcher/mower is the best option.
High growing weeds are efficiently destroyed. The single row of rubber flails brush off the weeds around the vines and suckers are removed from the vine trunks.
The support wheels combined with the float position of the precision vertical lift controls the cutting height. The speed of the hydraulic motor guarantees effective cutting of weeds.
**LUV Perfekt with clearing disc**
The clearing disc prevents soil from falling back onto the grassed aisle. With its quick angle adjustment it is very advantageous in vineyards with slopes. The soil is returned towards the upper slope so that the grassed aisle remains clear. Quick adjustment can be made easily from the driver’s seat.

**LUV Perfekt with rotary crumbler/tiller**
The LUV Perfekt combines perfectly with the rotary crumbler as a solution for moist and weedy soils.

**LUV Perfekt with plough attachment**
Vineyards that have been mounded up for the Winter can be demounded in the Spring using the half heart share, followed by the de-mounding blade. The illustration shows the half heart share set up to partially de-mound a large mound while the following de-mounding blade breaks down the remainder of the mound. The half heart share reversed can be used for mounding up.

**UV under-vine cultivator**
UV under-vine cultivator with summer blade and following clearing blade is controlled by the precision vertical lift. The UV implement can also be mounted on the BRAUN Vario ripper/cultivator.