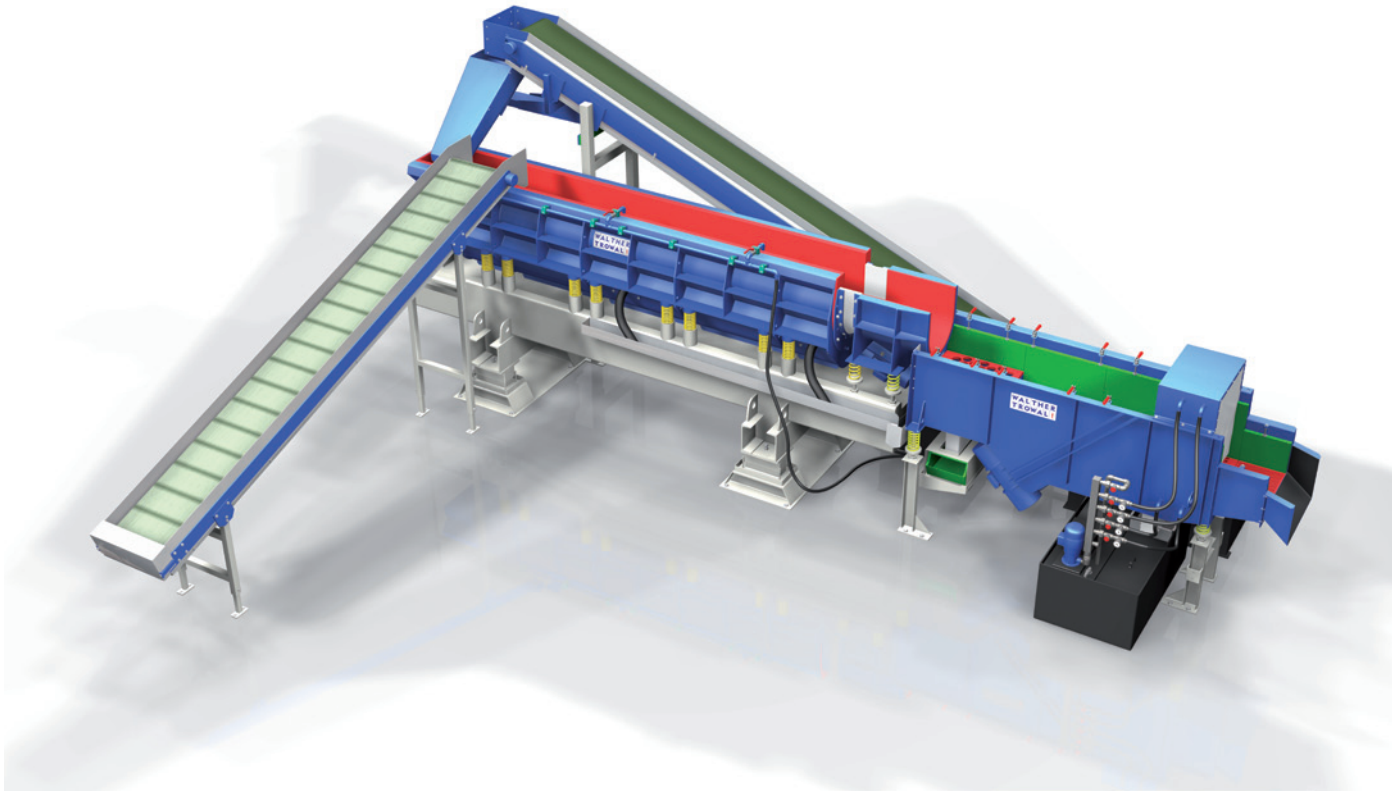


CONTINUOUS FEED VIBRATORS AV



TROWAL SURFACE FINISHING Continuous feed vibrators – model range AV

CONTINUOUS FLOW DEBURRING

Trowal linear continuous flow vibrators, type AV, have been specifically designed for continuous loading and processing of the parts to be finished.

AV vibrators consist of a trough-type, rectangular work bowl. They are especially used for

- processing of robust mass produced parts of small and medium size (stampings, die-castings, etc.)
- deburring and grinding of mid- and large-size components (engine and pump housings, oil pans, cylinder head covers...)

ADVANTAGES

Continuous surface finishing with a continuous flow of parts offers many advantages compared to batch processing:

- Easy integration of the surface finishing process into continuous manufacturing systems
- Easy, cost-effective automation of the surface finishing process
- Lower costs for material handling, because the parts do not have to be collected in batches



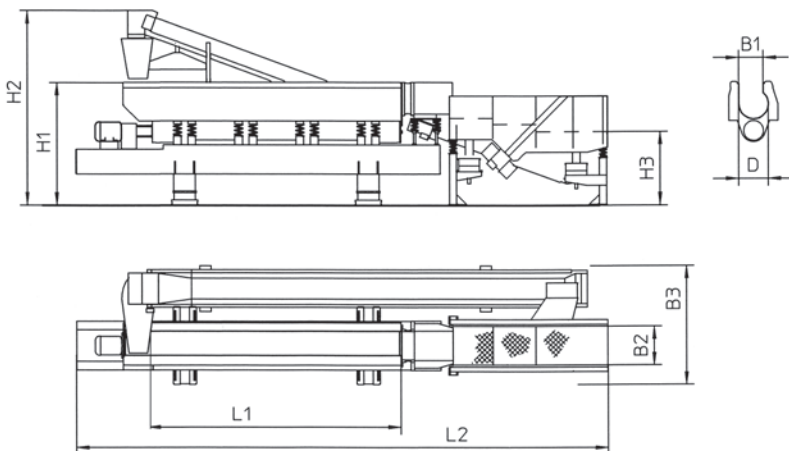
| | 345 x 41 | 515 x 41 | 685 x 41 | 515 x 55 | 685 x 55 | 515 x 65 | 685 x 65 |
|-------------------------------|--------------|----------|----------|----------|----------|----------|----------|
| Standard media quantity (l) | 420 | 612 | 814 | 1,100 | 1,465 | 1,565 | 2,080 |
| Processing time (min.)* | 6-15 | 10-20 | 15-25 | 10-20 | 15-25 | 10-20 | 15-25 |
| Lining of work bowl | Polyurethane | | | | | | |
| Screen area (m ²) | 1.19 | 1.19 | 1.19 | 1.66 | 1.66 | 1.92 | 1.92 |
| Power of main drive (kW) | 7.5 | 11 | 15 | 15 | 15 | 15 | 18.5 |
| Max. centrifugal force (N) | 72,000 | 110,000 | 146,000 | 152,000 | 202,000 | 168,000 | 224,000 |
| Speed max (rpm)** | 1,460 | 1,460 | 1,460 | 1,460 | 1,460 | 1,460 | 1,460 |

*Depends on process parameters

** Infinitely up to maximum speed via frequency converter

| | AV | H1 | H2 | H3 | B1 | B2 | B3 | L1 | L2 | D |
|----------|-------|-------|-------|-----|-----|-------|-------|--------|-----|---|
| 345 x 41 | 1,700 | 2,700 | 990 | 340 | 540 | 1,600 | 3,450 | 7,400 | 410 | |
| 515 x 41 | 1,700 | 2,700 | 990 | 340 | 540 | 1,600 | 5,150 | 9,100 | 410 | |
| 685 x 41 | 1,700 | 2,700 | 1,010 | 340 | 540 | 1,600 | 6,850 | 10,800 | 410 | |
| 515 x 55 | 1,955 | 2,950 | 1,035 | 450 | 640 | 1,800 | 5,150 | 9,575 | 550 | |
| 685 x 55 | 1,955 | 2,950 | 1,035 | 450 | 640 | 1,800 | 6,850 | 11,275 | 550 | |
| 515 x 65 | 2,100 | 3,100 | 1,035 | 520 | 740 | 1,930 | 5,150 | 9,700 | 650 | |
| 685 x 65 | 2,100 | 3,100 | 1,035 | 520 | 740 | 1,930 | 6,850 | 11,400 | 650 | |

Dimensions (in mm)



MULTIVIB VIBRATORY DRIVE

- The newly developed “Multivib” drive ensures equally intensive processing over the complete work bowl length without any “dead zones”!
- The Multivib drive allows the use of steel media for pressure deburring and ball burnishing.
- No central lubrication required. Vibratory units are lifetime lubricated.

INDEPENDENT DISCHARGE CHUTE WITH SEPARATE VIBRATORY DRIVE

- Contrary to conventional discharge chutes, the discharge vibrator has no incline and therefore, ensures low dropping heights to the screening machine.
- Simple change to batch processing with infinite processing time by switching off the discharge vibrator.
- The frequency setting of the discharge vibrator controls the processing time: Actual processing times vary from 4 – 25 minutes!
- The work bowl remains in horizontal position. This ensures an even media level throughout the whole work bowl length. No “thinning out” of the media at the work bowl exit.

**WALTHER
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