



# PSS SMGA

## Speed Mixers Grinders Angle

PSS SMGAs are a modern combination of Speed Mixers and Speed Grinders. In the mixing section they ensure a gentle and quality mixing and in the grinding section an excellent product quality ranging from coarse to very fine grinding. PSS SMGAs are multifunction devices with

a compact, space-saving design. The rotating overlapping paddles gently move the product in every direction to give it the desired structure. The grinding worm area is located in the bottom part of the two-level hopper, where the worm efficiently moves the material to the

grinding set. The desired structure is achieved according to a choice of grinding set. PSS SMGAs are supplied with frequency inverters in both mixing and grinding sections, that enables speed regulation and excellent product structure.

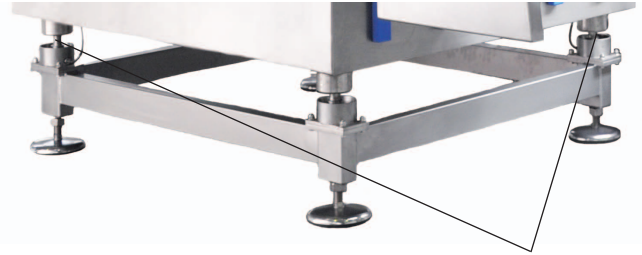
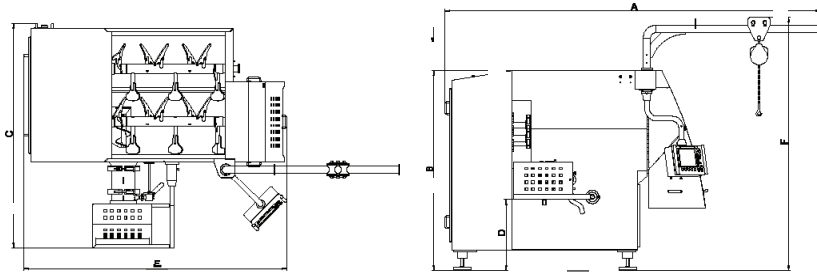
### Advantages of Speed Mixers Grinders Angle

- Fast mixing and grinding of pre-cut meat
- Modern combination of Speed Mixers and Speed Grinders
- Gentle and quality mixing in mixing section
- Excellent product quality with coarse as well as very fine grinding in grinding section
- Multifunction device with compact, space-saving design
- Maximally overlapping paddles in almost square, two-level hopper  
Paddles gently move product in every direction
- Fast emptying and minimal product residue
- Speed regulation, in both mixing and grinding sections, enable excellent product structure
- Rotary and movable crane
- Accessory trolley
- Safety cover of grinding head
- Cover of mixing section emptying outlet
- Polished surfaces
- Uncomplicated and fast sanitation
- N<sub>2</sub> or CO<sub>2</sub> connections placed behind covers
- Cooling system significantly extends the product lifetime can reduces bacteria growth
- PSS BES bone elimination system



## Basic options selection

- PSS BES bone elimination system
- Grid cover
- Plate cover with sealing
- Weighing system on frame
- Temperature sensor
- Cooling system of top injection N<sub>2</sub>
- Cooling system of top injection CO<sub>2</sub>
- Cooling system of bottom injection CO<sub>2</sub>
- Steam injection system
- Water dosing
- Mirror-polished worm
- Mirror-polished hopper and paddles
- Inspection platform






Weighing system on frame



PSS BES bone elimination system

| PARAMETER                       | PSS SMGA 700-200 | PSS SMGA 900-200 | PSS SMGA 1200-250 | PSS SMGA 1700-250 | PSS SMGA 2200-280 | PSS SMGA 2700-280 |
|---------------------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| Capacity *                      | fine grinding    | 4 000 kg/h       | 4 000 kg/h        | 6 500 kg/h        | 6 500 kg/h        | 6 500 kg/h        |
|                                 | coarse grinding  | 8 000 kg/h       | 8 000 kg/h        | 15 000 kg/h       | 15 000 kg/h       | 20 000 kg/h       |
| Grinding set diameter           | 200 mm           | 200 mm           | 250 mm            | 250 mm            | 280 mm            | 280 mm            |
| Total hopper volume             | 900 l            | 1 200 l          | 1 500 l           | 2 100 l           | 3 200 l           | 3 900 l           |
| Net mixing volume               | 700 l            | 900 l            | 1 200 l           | 1 700 l           | 2 200 l           | 2 700 l           |
| Mixing section input            | 8 kW             | 11,5 kW          | 15,5 kW           | 22,5 kW           | 25 kW             | 30 kW             |
| Control via frequency inverters | áno              | áno              | áno               | áno               | áno               | áno               |
| Grinding section input          | 30 kW            | 30 kW            | 45 kW             | 45 kW             | 75 kW             | 75 kW             |
| Control via frequency inverters | áno              | áno              | áno               | áno               | áno               | áno               |
| Machine weight                  | 2 680 kg         | 2 750 kg         | 2 980 kg          | 3 380 kg          | 4 180 kg          | 4 580 kg          |
| Main dimensions                 | A                | 3 530 mm         | 3 800 mm          | 3 860 mm          | 4 300 mm          | 4 520 mm          |
|                                 | B                | 2 100 mm         | 2 020 mm          | 2 300 mm          | 2 300 mm          | 2 500 mm          |
|                                 | C                | 2 100 mm         | 2 270 mm          | 2 250 mm          | 2 250 mm          | 2 650 mm          |
|                                 | D                | 760 mm           | 720 mm            | 780 mm            | 780 mm            | 790 mm            |
|                                 | E                | 2 540 mm         | 2 140 mm          | 2 690 mm          | 2 690 mm          | 2 850 mm          |
|                                 | F                | 2 550 mm         | 2 570 mm          | 2 980 mm          | 3 430 mm          | 3 590 mm          |

 **PSS SVIDNÍK, a.s.**  
 Sovietských hrdinov 460/114  
 089 01 Svidník, Slovakia

 tel.: +421/54/786 21 11  
 fax: +421/54/752 09 04

 predaj@pss-svidnik.sk

 www.pss-svidnik.sk



### Notice:

As a result of continuous process improvement and modernization of our products there may be modifications and changes in characteristics and descriptions of machines. Therefore the manufacturer PSS SVIDNÍK, a.s. reserves the right to change any specifications and technical parameters of its products.

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