

westrup

OUR **TEST CENTRE**

EQUIPPED FOR CHANGE



WESTRUP - 65 YEARS - 1958 - 2023



CHOOSING THE RIGHT **EQUIPMENT**

> Our small-scale machines give a good indication of how your seed or grain will react when processed in a full-scale operation.

Getting your product tested in our test centre equipped with our small-scale machines, allows us to find the machine solution that meets your needs. Whether that is to achieve the highest purity of your grain, to get the seed with the highest possible germination or what your objectives might be – testing your seed or grain will let us know which is the right machine setup for you.

However, finding the right machine solution is only one step towards reaching the level of stability required to run an efficient operation. Understanding the cleaning procedure is another. In our test centre, we also offer training sessions to help you and your staff understand your machines and achieve the best results.



HOW TO GET YOUR **PRODUCT TESTED**

> Finding the right machine solution for you depends on your objectives as well as our knowledge of and experience with processing your type of crop.

To get your sample tested in our test centre, you need to provide the raw material. How much is needed depends on the product to be tested, how many processes are required and the types of machines that are used. Our in-house experts will guide you on this.

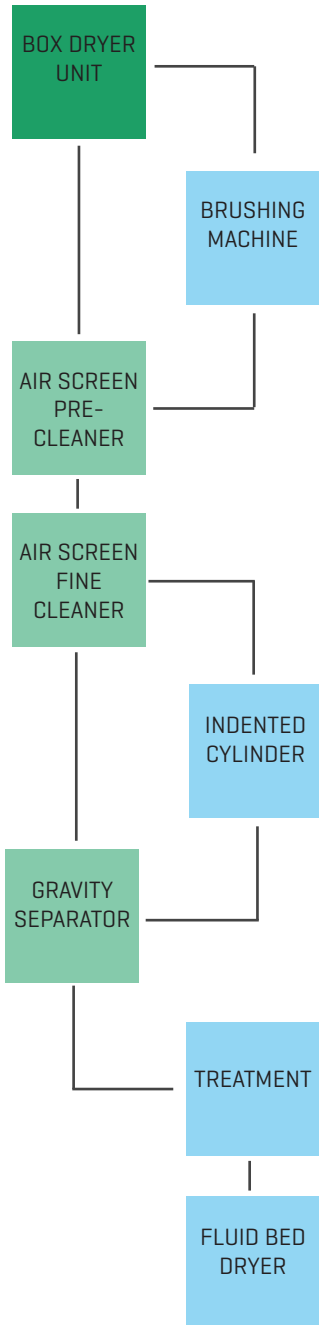
During processing, we will uncover whether your ideal machine requires specific settings to give you the best result. After testing, you will receive a detailed report on how your crop was processed – which machines were used and a specification of how your product performed in each stage of the process.

With this information, we will be able to provide you with the machine combination that is exactly right for your seed or grain.

WHAT IS RIGHT FOR YOU

> Each seed and grain requires its own machine setup and settings, to ensure the best results.

Knowing what is required for your specific product will increase your productivity.



THE TEST PROCEDURE

- 1** REGISTRATING THE SAMPLE
We determine the type of product and give your sample a test number for reference.
- 2** WEIGHING THE SAMLE
We weigh your product to ensure that we have the optimal amount to give you the most accurate test results.
- 3** VISUAL ASSESSMENT OF THE SAMPLE
Our in-house experts will - based on a visual assessment, determine the machine combination in our test centre that is best suited for your type of product.
- 4** PHOTO OF THE SAMPLE
A photo of the sample is taken for comparison.
- 5** TESTS IN OUR MACHINES
Your product is processed in the specific machine[s] our experts deemed fit. Our small-scale machine range includes:

Air Screen Cleaners | Air Separators | Belt Graders
Gravity Separators | Indented Cylinders | Destoners
Spiral Separators | Flat Screen Sizers | De-awners
Brushing Machines | Maxi Blowers | Screen Cleaners
- 6** VISUAL ASSESSMENT FROM EACH OUTLET
Each outlet is assessed to determine whether further processing is required. If so, the prime product is transferred to the next machine to give you the highest yield on your product.
- 7** FINAL REGISTRATION OF THE TEST RESULTS
When the final test is concluded, we register the final results in a test report, which you will receive once completed.

STEP 6 IN THE TEST PROCEDURE

VISUAL ASSESSMENT OF EACH OUTLET

A photo is taken of the output from each outlet to determine whether further processing is required. During this phase, we also evaluate whether the right screens, mantles, belts and and/or speed were used to get the highest possible quality of the prime product.

OUTLET VIEW:

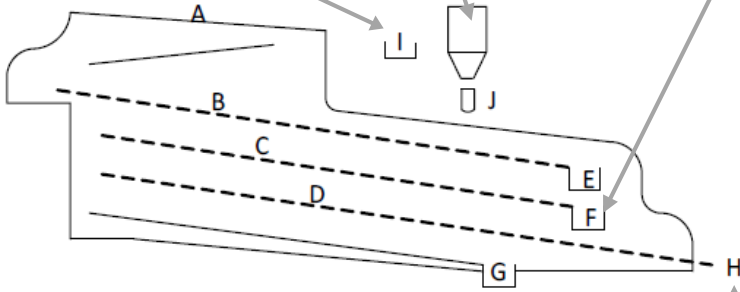
I: HEAVY PRODUCT FROM ASPIRATION



J: LIGHT PRODUCT FROM ASPIRATION SYSTEM



F: OVERFLOW FROM SCALPING SCREEN [C]



G: THROUGHFLOW FROM SAND SCREEN [D]



H: PRIME PRODUCT

STEP 7 IN THE TEST PROCEDURE

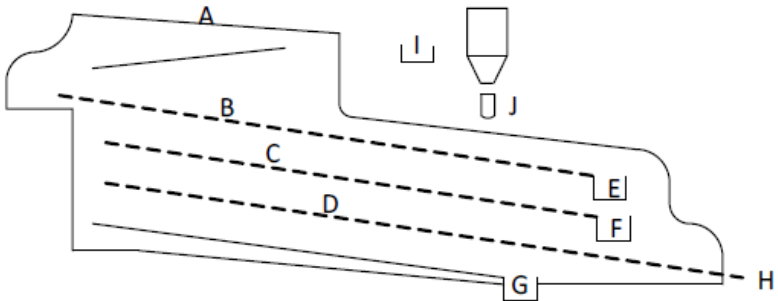
FINAL REGISTRATION OF THE TEST RESULTS

When the tests have been concluded, we register the final results in a test report, which you will receive once completed. In this test report, you will be able to see the type of screens, mantles or belts used - the screens perforation sizes, the type of mantles and/or the speed of the belt.

You are able to see how much of your product exited each of the outlets.

MACHINE DIAGRAM:

Example of a machine diagram - Small-scale Air Screen Cleaner, type LA-LS:



A: Inlet to screen section
B: First scalping screen
C: Second scalping screen
D: Sand screen
E: Overflow from B

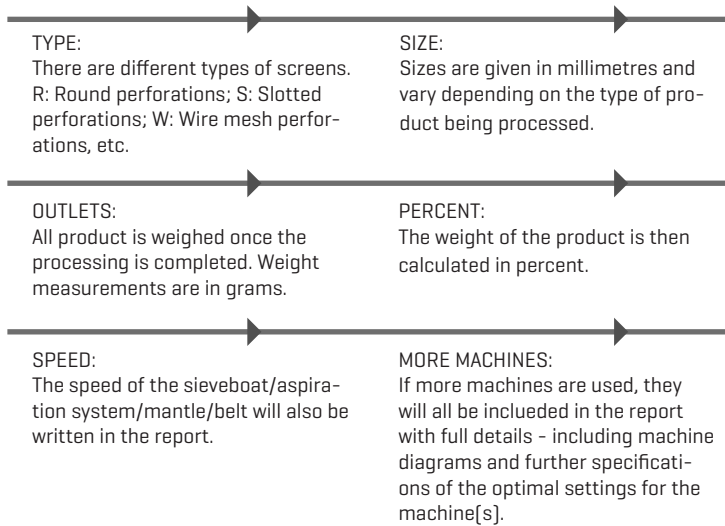
F: Overflow from C
G: Throughflow from D
H: Prime product
I: Heavy product from aspiration
J: Light product from aspiration

TEST REPORT:

Example of information given in a test report. This is an overview for Air Screen Cleaner, type LA-LS:

| INLET [A] | = | | | Total g. = | 100 % = Bag no. 1 |
|--|---|------|--------|-------------------|-------------------|
| Screen | | Type | Size | | |
| Overflow from first scalping screen [B] | = | | | Outlet E XXX g. = | XXX % = Bag no. X |
| Overflow from second scalping screen [C] | = | R | XXX mm | Outlet F XXX g. = | XXX % = Bag no. X |
| Overflow from sand screen [D] | = | S | XXX mm | Outlet H XXX g. = | XXX % = Bag no. X |
| Throughflow from sand screen [D] | = | S | XXX mm | Outlet G XXX g. = | XXX % = Bag no. X |
| Heavy product from aspiration [I] | = | | | Outlet I XXX g. = | XXX % = Bag no. X |
| Light product from aspiration [J] | = | | | Outlet J XXX g. = | XXX % = |
| Total | = | | | Total g. = | 100 % = |

0,00 g left in the machine



WE OFFER **COURSES IN:**

- > How to process different types of crops.
- > Single machines or a sequence of machines.
- > General knowledge about machine equipment and processes.
- > How to handle your seed or grain further after processing.
- > How to register and calculate test results of your product.

We offer single-person courses and courses with a maximum of five participants.





TRAIN YOUR **STAFF**

> Training yourself and your staff will prepare you to run your operation how you envision it.

You will learn how different products react when processed and get in-depth knowledge about the machine processes. This will give you a better understanding of your products and how to adjust your machines to achieve the best results. Understanding your machines and the product you are processing is the first steps towards obtaining operational stability.

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