

CEREAL / SEED PROCESSING



OPENFIELD - HPL SEED PROCESSING PLANT

Strategically situated alongside the A1 trunk road at Colsterworth, near Grantham is one of the UK's most modern seed plants which was designed & constructed by T H WHITE Projects for Openfield, formally Grain Farmers in 2004 with a view to supplying top quality seed to growers throughout East Anglia, The Midlands, Lincolnshire, Yorkshire and the North of England .



T H WHITE
PROJECTS



OPENFIELD - HPL

Design and build project solution results in the UK's most modern seed processing plant...



Openfield™

PROJECTS CAPABILITIES

To develop a technical and commercially acceptable system solution T H WHITE Projects have been able to utilise available resource from their vast depth of knowledge and experience indicated in the capability schedule .

- Land survey & study
- Conceptual phased approach
- Planning assistance / consultation
- Principal designer / contractor
- Design & build contract
- Detailed engineering solutions
- Procurement / fabrications
- Project management / documentation
- System automation & controls
- Mechanical & electrical installation
- Commissioning & handover
- After sales service & support

T H WHITE Installation Ltd

Nursted Road, Devizes,
Wiltshire SN10 3EA.
T 01380 723040
F 01380 725707
E projects@thwhite.co.uk
www.thwhite.co.uk

SITE PROCESSING AND BAGGING FACILITIES

T H WHITE Projects were commissioned to design and construct the Honey Pot Lane Seed Plant which being one of the most modern in the UK has the capacity to process 20,000 tonnes of seed per annum giving significant economies of scale. The system solution which includes the latest seed treatment technology is arranged such that it has a peak processing capacity of over 500 tonnes of seed per day ensuring a fast turnaround of finished product especially during difficult harvest seasons .

SITE PROCESSING AND STORAGE FACILITIES

Intake

Enclosed Tipping Area
2 x 125 tph Intake System
4 x 120t Hopper Silos

Cleaning

2 x High Speed Lines
2 x Pre Cleaners
- remove chaff
- remove weed
2 x Main Cleaners
- remove fines

1 x Destoner
1 x Gravity Separator
8 x 30t Holding Bins

Processing

2 x Seed Treating Lines
2 x 15tph Lines
Chemical Weighing System

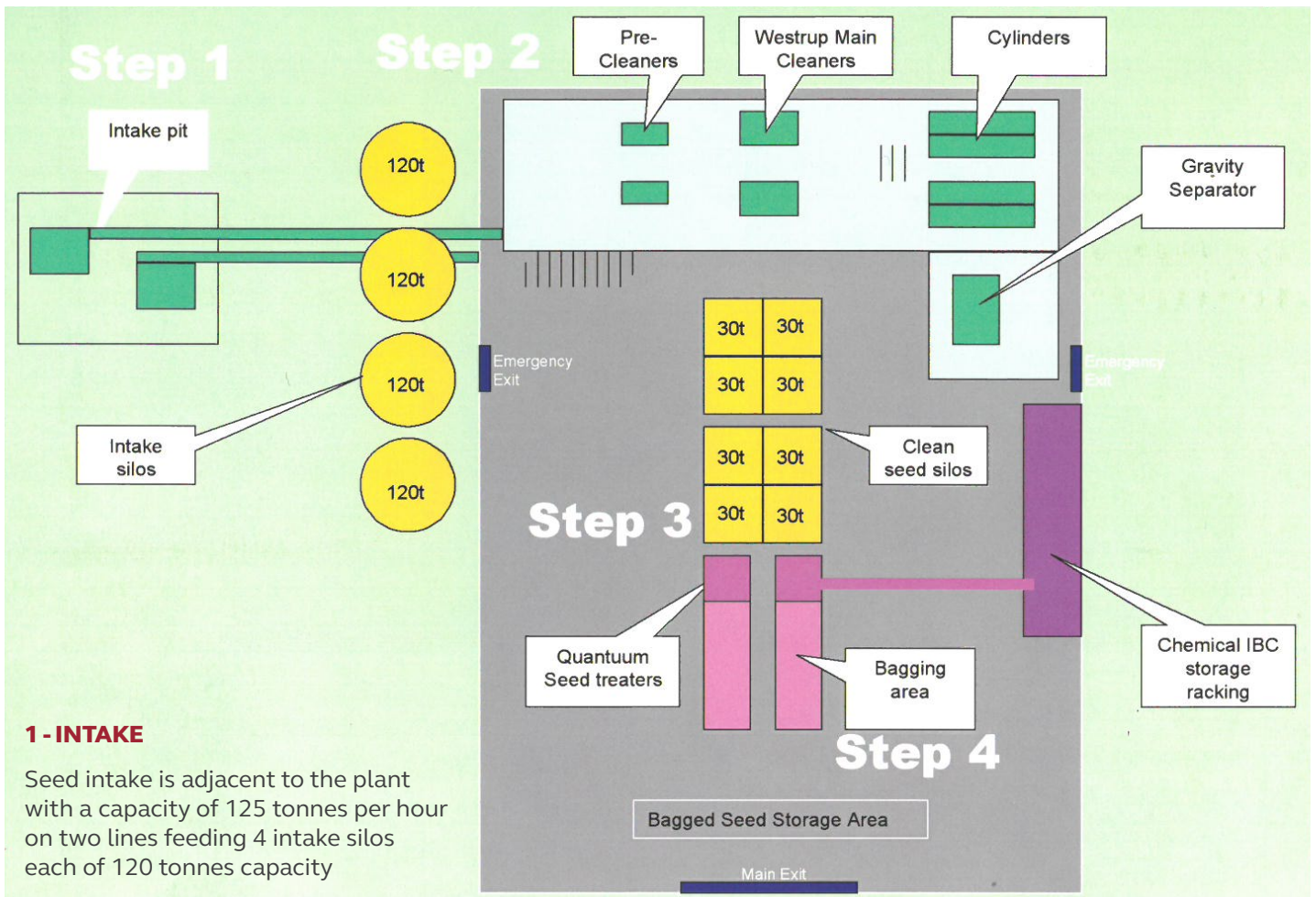
Bagging

Finished Product
2 x Bagging Lines
500 or 1000kg Bags
Accurate Weighing



**Getting the best
from machinery,
land and buildings
since 1832.**

**T H WHITE
PROJECTS**



1 - INTAKE

Seed intake is adjacent to the plant with a capacity of 125 tonnes per hour on two lines feeding 4 intake silos each of 120 tonnes capacity

2 - CLEANING

Cleaning takes place in two parallel Westrup cleaning lines, both of which are specifically designed for high-speed operation. Two pre-cleaners ensure seed is cleaned of chaff and foreign material such as weed seed or split seed. Then, two main cylinder-type machines remove any remaining finer material. A gravity separator and destoner are also installed at the end of the line and are used where needed. The clean seed is then stored in one of eight holding bins each of 30 tonnes capacity.

3 - PROCESSING

Treating is carried out using two Bayer Cropscience Quantum seed treaters, which offer unrivalled accuracy in terms of batch weighing of seed and chemical coverage. The closed system - which works at up to 15 tonnes/hour per line - is primed by piping chemicals into a reservoir which then feeds the chemical weighing system by gravity.

Up to twelve chemicals can be linked to the system at any one time and, as well as ensuring that the customer is getting highly accurate loadings of a quality seed treatment product, the system also significantly reduces operator exposure.

4 - BAGGING

Packing of the finished product is into 500kg or 1,000 kg bags by two Chronos Richardson bagging lines, both with sophisticated weighing equipment to ensure accurate filling.



**Hands on today;
eyes on tomorrow.**

**T H WHITE
PROJECTS**