

Online AUCTION



On the instructions of Makins Limited

Piecemeal (subject to Conditions of Sale and unless previously sold)

We are delighted to offer for sale the largest collection of grading sizing, boxing and bagging systems in Europe.

This state of the art equipment has been used to grade top quality potatoes by a brand leading processor in the UK. The equipment lends itself to grading of a wide range of root vegetables and other agri products.

The grading machines manufactured in 2001 / 2004 & 2006 have the potential to grade 60 tonnes/hour and are specially designed to handle both loose skin and set skin product without causing damage.

The grading systems are compatible with Integrated Management System (IMS), IMS allows processors to see rates of production in real time, as well as stock levels and the age of stock, providing 100% tractability.



Bidding closes on:
Friday
29th May 2009
at 11.00am prompt

Viewing:
Monday 18th to
Friday 22nd May 2009
from 10.00am to 4.00pm

At:
Makins Limited,
Sturton Grange, Berry Lane,
Leeds, West Yorkshire,
LS25 4DZ

Photographs and
timed online bids via

www.bidspotter.com

GENERAL CONDITIONS OF SALE

(as approved by The Royal Institution of Chartered Surveyors)

1 Application of these General Conditions

1.1 In these general conditions the expression "the Auctioneer" includes his employees and agents and any person to whom conduct of the Auction is delegated under clause 5.11 below.

1.2 These General Conditions apply to every Auction of Plant and Machinery, Chattels, Trade Stocks and Vehicles conducted by the Auctioneer and to any Lot offered for sale in the Auction whether that Lot includes property fixed to land or not fixed to land or any other personal property.

1.3 If these General Conditions have not previously been accepted by a person attending or bidding at an Auction, bidding for any Lot in the Auction shall be deemed to be an acceptance by the Bidder of these General Conditions.

1.4 To the extent that these General Conditions are inconsistent with any special conditions set out or referred to in the Auction Catalogue or announced at the Auction, the special conditions shall prevail.

1.5 These General Conditions shall be governed construed and enforced in accordance with the law of England, but:-

(a) if the Auction is held in Scotland, in accordance with the law of Scotland;

(b) if the Auction is held in Northern Ireland, in accordance with the law in Northern Ireland.

2. The Seller's Instructions and Warranties

2.1 The Seller warrants that:-

(a) to any Lot offered for sale he will be able to pass good and unencumbered title free from third party claims;

(b) any Lot offered for sale may lawfully sold;

(c) the premises where the Auction is to be held (if not the Auctioneer's premises) will be safe for that purpose and that it will be lawful to hold the Auction there.

2.2 If the Seller's instructions are given by the Seller's agent, the Seller's agent warrants that he has the Seller's authority:-

(a) to instruct the Auctioneer;

(b) to give the warranties set out in clause 2.1 above;

(c) to instruct the Auctioneer to act in accordance with these General Conditions and any special conditions.

3. The Auctioneer's Remuneration

3.1 The Auctioneer's remuneration shall be such as has been agreed between the Seller and the Auctioneer.

3.2 The Auctioneer may deduct his remuneration from monies received from Buyers before accounting to the Seller for the balance.

4. Bidding on behalf of Another

4.1 Unless the Auctioneer has previously

acknowledged in writing that the bidder bids as agent on behalf of a named principal, every bidder shall be taken to bid on his own behalf as principal.

4.2 If the Auctioneer has earlier acknowledged in writing that the Bidder bids as agent on behalf of a named principal, the Bidder warrants that he has the authority of his principal to make each bid he makes.

5. Conduct of the Auction

5.1 The Auctioneer offers each Lot as agent of the Seller and not as principal unless otherwise indicated in the Auction Catalogue.

5.2 Any Lot may be subject to a reserve price unless otherwise indicated in the Auction Catalogue.

5.3 The Seller or his representative or the Auctioneer on his behalf may bid for any Lot unless otherwise indicated in the Auction Catalogue.

5.4 The Auctioneer may at any time before the fall of the hammer withdraw or divide any Lot or combine any Lots. 5.5 With the previous consent of the Seller, the Auctioneer may sell any Lot by private sale before or after the Auction.

5.6 The Auctioneer may require any Bidder to give his name and address and proof of identity before accepting a bid.

5.7 The Auctioneer may reject any bid at his sole discretion and without being required to give a reason.

5.8 The Buyer shall be the person who made the highest bid before the fall of the hammer or such other person as the Auctioneer may declare to be Buyer without being required to give a reason.

5.9 The Auctioneer may decide whether there is a dispute between Bidders, may summarily determine the dispute or immediately again offer the Lot for sale, in each case without being required to give a reason.

5.10 The Auctioneer shall in every other respect decide how the Auction is to be conducted and without being required to give a reason.

5.11 The Auctioneer may in his sole discretion delegate to a person whom he believes to be competent the conduct of the Auction in accordance with these General Conditions

6 After the Sale

6.1 Upon the Auctioneer declaring any Lot sold, the buyer shall immediately:-

(a) give the Auctioneer his name and address and if requested his proof of identity;

(b) identify any person on whose behalf he has bought;

(c) pay to the Auctioneer if requested a deposit of up to 25 per cent of the price.

6.2 Within the time specified in clause 6.3 below, the Buyer shall pay the following sums to the Auctioneer in full:-

(a) the balance of the price of all Lots purchased together with any VAT due;

(b) the value as summarily determined by the Auctioneer, whose determination shall be final and binding, of all or part of any Lot or of the premises where the Auction is held which has been damaged or destroyed by the Buyer or his principal or agent.

6.3 The time for complying with clause 6.2 above shall be the time specified in the Auction catalogue or if no time is specified there, 4pm on the next working day, and in every case time shall be of the essence.

6.4 The Auctioneer may at any time in his sole discretion grant the Buyer an extension of time for complying with clause 6.2 above, in which case the Buyer shall pay the Auctioneer in full before moving or removing the Lot interest on any unpaid sums at a rate of 4 per cent above Barclays Bank Plc base rate in force from time to time.

6.5 Until the Buyer has complied with clause 6.2 above:-

(a) title to any Lot bought shall not pass to the Buyer;

(b) the Lot shall be at the Buyer's risk;

(c) the Auctioneer shall have a lien over any Lot bought by the Buyer in the Auction;

(d) if the Buyer effects or purports to effect a resale or any other disposition of all or part of the Lot, the Buyer shall hold the proceeds of resale or other disposition on trust for the Auctioneer and Seller.

6.6 On written request by the Buyer the Auctioneer shall provide a VAT invoice in proper form, if appropriate.

7. Removal of the Lot bought

7.1 The Buyer may not remove any Lot he has bought until after the end of the Auction.

7.2 The Buyer may not remove any Lot until the Buyer has paid the sums specified in clause 6.2 above in full for every Lot he has bought.

7.3 After paying the sums specified in clause 6.2 above, the Buyer must remove the Lot bought by the time specified in the Auction Catalogue or if no time is specified there, 5pm on the next working day, and in every case time shall be of the essence.

7.4 The Auctioneer may at any time at his sole discretion and on terms specified by him grant the Buyer an extension of the time specified in clause 7.3 above.

7.5 If the Lot bought is or includes a motor vehicle, no warranty is given that the vehicle may

safely or lawfully be driven on the road.

7.6 When removing any Lot the Buyer:-

(a) is responsible for detaching any Lot fixed to land and must do so safely and lawfully and must not use flame cutters, explosives or any other dangerous equipment or process without previous written permission signed by or on behalf of the Auctioneer;

(b) must use safe and lawful means of removing the Lot; (c) shall indemnify the Auctioneer and Seller against any loss damage legal or other expenses and any claim arising from the detaching of the Lot or its removal.

(d) shall have insurance in respect of such indemnity and shall on request produce to the Auctioneer a receipt for the last premium due or other sufficient evidence that such insurance has been effected and remains in force.

8. Default by the Buyer

8.1 If at any time the Buyer has failed either to pay the sums specified in clause 6.2 above in full by the expiry of the time specified in clause 6.3 above (or any extension granted under clause 6.4 above), or to remove any Lot by the time specified in clause 7.3 above (or any extension granted under clause 7.4 above) the Auctioneer may rescind the Sale of that Lot, in which case any deposit shall be forfeit, and that Lot may be resold by auction or privately.

8.2 If the Auctioneer has rescinded the sale but the Buyer has removed the Lot bought, the Auctioneer shall be entitled without previous notice to enter upon any premises where he believes the Lot to be and remove it.

8.3 If the Auctioneer has rescinded the sale and the Lot has been resold, the Buyer shall make good any deficiency, namely:-

(a) the sale price less the resale price;

(b) the costs of and incidental to resale.

8.4 If because the Buyer has failed to remove any Lot by the time specified in clause 7.3 above (or any extension granted under clause 7.4 above), the Seller is unable to give vacant possession on disposing of or relinquishing any interest in the premises from which the Lot should have been removed, the Buyer shall compensate the Seller for any loss resulting.

9. Liabilities and Indemnities

9.1 The Auctioneer warrants that he believes that the Seller of each Lot is able to pass good title, and if the Seller is not able to do so, the Auctioneer shall use his reasonable endeavours to assist the Buyer in obtaining good title and in pursuing any remedies the Buyer might have against the Seller, but the Auctioneer shall not be bound to initiate litigation and shall not be under

any other obligation to the Buyer.

9.2 Every Lot is sold as seen and where lying.

9.3 No Lot is sold as compromising or including any new goods.

9.4 The Auctioneer neither has nor professes any expert or other knowledge of any Lot sold and is hereby excluded any liability the Auctioneer might otherwise incur and any right or immunity the Buyer might otherwise possess in respect of any conditions warranties or representations relating to the condition of any Lot sold or the merchantable quality of the Lot or its fitness for the particular or any purpose for which it is or may be required whether such conditions warranties or representations are expressed or implied in the Auction Catalogue or are the subject of oral or written statements made by or on behalf of the Auctioneer or any other person before or in the course of the Auction.

9.5 No liability shall attach to the Auctioneer either in contract or in tort for loss, injury or damage legal or other expenses sustained by the Seller, any Bidder, the Buyer or any other person by reason of:-

(a) any defect in any Lot sold, whether or not such defect be latent or apparent on examination;

(b) any defect or danger of the premises where the Auction is held;

(c) any alleged failure of the Auctioneer to properly advertise the Auction or to seek or obtain expert legal advice with regard to any Lot offered for sale or its reserve price;

(d) any act or omission of the Auctioneer in the conduct of the Auction or after the Auction;

(e) any act or omission of any person other than the Auctioneer.

9.6 The Seller shall indemnify the Auctioneer in respect of any claims made by another or third party for any loss injury damage or legal or other expenses referred to in clause 9.5 above.

9.7 The Auctioneer shall not be liable to indemnify the Seller or any Bidder or the Buyer in respect of any claims made by another or third party for any loss injury damage or legal or other expenses referred to in clause 9.5 above.

9.8 Clauses 9.3 to 9.7 shall not be valid insofar as prohibited by statute.

9.9 In no circumstances shall the Auctioneers be liable for any consequential damage.

10. Waiver

10.1 No indulgence shown by the Auctioneer shall prevent the Auctioneer or the Seller from subsequently insisting upon their respective rights and remedies.

SPECIAL NOTES & CONDITIONS

(to be read in conjunction with the General Conditions of Sale as approved by The Royal Institution of Chartered Surveyors)

ADDRESS OF AUCTION:
Makins Limited
Sturton Grange, Berry Lane,
Leeds, West Yorkshire, LS25 4DZ

VIEWING Viewing is by arrangement with the auctioneers.

REGISTRATION Prospective purchasers must register and obtain a buyer's number when entering the site on Sale Day in order to be a successful bidder. **A REQUIREMENT OF SUCH REGISTRATION WILL BE PHOTOGRAPHIC AND PROOF OF ABILITY TO PAY FOR POTENTIAL PURCHASES, (PASSPORT, DRIVING LICENCE).** The Auctioneers reserve the right to refuse admission.

Persons under the age of 16 will not be allowed on site.

PAYMENT All lots must be paid and cleared for before prior to removal by Cash, Banker's Draft, credit or debit card or Cheque supported by an appropriate Banker's Letter stating that the Bank will HONOUR your cheque and the limit up to which they are willing to do so, unless otherwise agreed.

V.A.T. V.A.T. will be added to sale bills at 15%. Special rules apply for sales for export – request information from the auctioneer

BUYERS PREMIUM Buyer's Premium of 15% plus V.A.T. will be added to purchasers bills. The Buyers Premium will relate to any sales which might take place prior to the auction, during the auction and after the auction and indeed to any Private Treaty Sales of items not included in the auction.

DEPOSITS The Auctioneer reserves the right to take a 25% deposit at Point of Sale. Purchasers are reminded to leave a 25% deposit before leaving site on sale day. Payment in full must be made within 24 hours of the sale.

ABSENT BUYING INSTRUCTIONS If you cannot attend the sale we will execute bids confidentially on your behalf. For absent bids indicate your limit for each lot, Your bids will be executed at the lowest prices allowed by reserves and other bids.

A buyers premium plus applicable charges & taxes, is payable on successful bids.

Absentee and telephone bids are accepted at your risk, and are subject to the Terms & Conditions of sale and any Special Conditions relating to the auction.

Please submit your bids not later than 4 hours prior to the sale commencing, you will receive confirmation of receipt. 25% deposit required on composite total of bids.

REMOVAL All lots which are subject to a lift-out charge are detailed on an information sheet available from the Sale's pay office, where applicable the charges are mandatory. Goods to be removed from site not later than Friday 26th June 4.00pm.

SITE PROCEDURE The Vendor or Pro Auctions Limited are not liable for, nor accept any responsibility for any injury, loss or damage to persons or property sustained whilst on site.

HEALTH & SAFETY LEGISLATION AND CONSTRUCTION, DESIGN AND MANAGEMENT REGULATIONS 1994.

Purchasers should be aware of the above and comply as appropriate, they should attend at the beginning of the auction to hear the Auctioneers opening announcements regarding formal requirements it is also important that all purchasers/contractors comply with site rules, site procedures and Health & Safety Regulations.

Purchasers are deemed to have listened to the Auctioneers opening announcements which may include amendments and/or additions to the Conditions of Sale.

Unless specifically excluded purchasers of lots will be required to make good holes or voids exposed by the removal of lots.

HAZARDOUS MATERIALS & SUBSTANCES If any hazardous materials or substances are to be removed or disposed of then such disposal will be the responsibility of the purchaser, but in accordance with all current Environmental Legislation and the Vendors procedures and audit requirements. Cladding taken off buildings for removal of plant & equipment will have to be replaced, unless otherwise specified by the Auctioneer.

COMPLIANCE WITH LAWS, REGULATIONS AND PLANNING Purchasers or their Removal Contractors are responsible for applying for relevant planning permissions (if appropriate) with reference to the removal of building structures and plant housings.

Purchasers or their Contractors shall at all times comply with all orders, regulations, requirements and rules of any authority whether Parliamentary, statutory, parochial or local and in particular shall comply with all requirements applicable to the employment by them of labour or otherwise affecting the work.

The Purchasers or their Contractors shall in addition and without prejudice to the generality of the foregoing conform to the regulations and byelaws of local authorities and shall pay all fees and charges arising under the said regulations and byelaws in respect of the Work.

ELECTRIC CABLE/PALLETS Electric cable and pallets are not included with the sale of any lots unless otherwise indicated.

ORDER OF REMOVAL Buyers should co-operate regarding order of removal in order to comply with the clearance date. If it transpires that a purchaser makes no effort to commence dismantling and the particular item of plant is preventing other buyers from

Makins Limited

removing equipment, then the Auctioneer reserves the right to insist that removal take place immediately notwithstanding the final clearance date.

If in the event the purchaser does not comply, then the Auctioneer reserves the right to arrange for the removal of the lot or lots and charge any attendant costs to the purchaser.

INSURANCE The Auctioneers remind prospective bidders of Condition 7 of the Conditions of Sale. Any buyers of fixed plant or their duly appointed contractors **MUST** consult with the Auctioneers duly appointed representative, prior to commencing removal. Written consent to commence dismantling will be required. It should also be noted that all dismantling contractors working on site must be insured for at least two million pounds (£2,000,000) public liability cover and proof of cover must be produced before work commences.

Lots must be insured by the purchaser from the fall of the hammer, no responsibility whatsoever will rest with the Auctioneer or Vendor in the event of any loss suffered.

The Purchaser or his Contractor will also ensure that employers liability cover in the sum of **TEN MILLION POUNDS (£10,000,000)** is in place.

CONTENTS All items in, under, over and around any lot in this catalogue are not included with such lot unless stated in the catalogue description or by the Auctioneer

DOCUMENTS The Vendors/Agents/Auctioneers reserve the right to remove any documents they may require from the lot prior to the sale or at any later date.

SOFTWARE Title to computer Software is not transferred and use is subject to any licence or copyright restrictions and user conditions.

The Vendors/Agents/Auctioneers reserve the right to erase any private or sensitive information prior to delivery or at any later date

INSPECTION & CONDITION: The articles may be inspected at the times and place set out in the Catalogue. Each buyer (whether or not he inspects those articles which he purchases) shall be deemed to buy with notice of all defects in them. No buyer shall have the right to reject for any reason any articles which he may purchase. Every express or implied warranty or condition as to merchantability, condition or fitness for purpose of any of the articles is excluded.

UNSOLD LOTS If any lot or item is unsold and has to be dismantled & lowered to allow the removal of any other lot, then such dismantling & lowering shall be the responsibility of the purchaser of the relevant Lot(s) or Item(s).

CONDITIONAL SALES Please note the Auctioneer reserves the right to effect conditional sales on certain lots.

The Auctioneer reserves the right to rescind the sale of lot(s) if purchasers or their contractors fail to provide a satisfactory Method Statement in accordance with current Health & Safety Regulations (or if their transport arrangements are considered unsuitable).

RESERVES Where applicable, Lots will be offered subject to reserve prices.

LOTS with a quantity greater than 1 shall be offered on an individual basis – the highest bidder shall have the option, at the auctioneers discretion, to bid for 1 or all of the quantity available.

WARNING

It is a criminal offence to form a ring at auction or to induce another to abstain from bidding.

Pro Auction Limited

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Company Registration no: 5059610



CATALOGUE LISTING



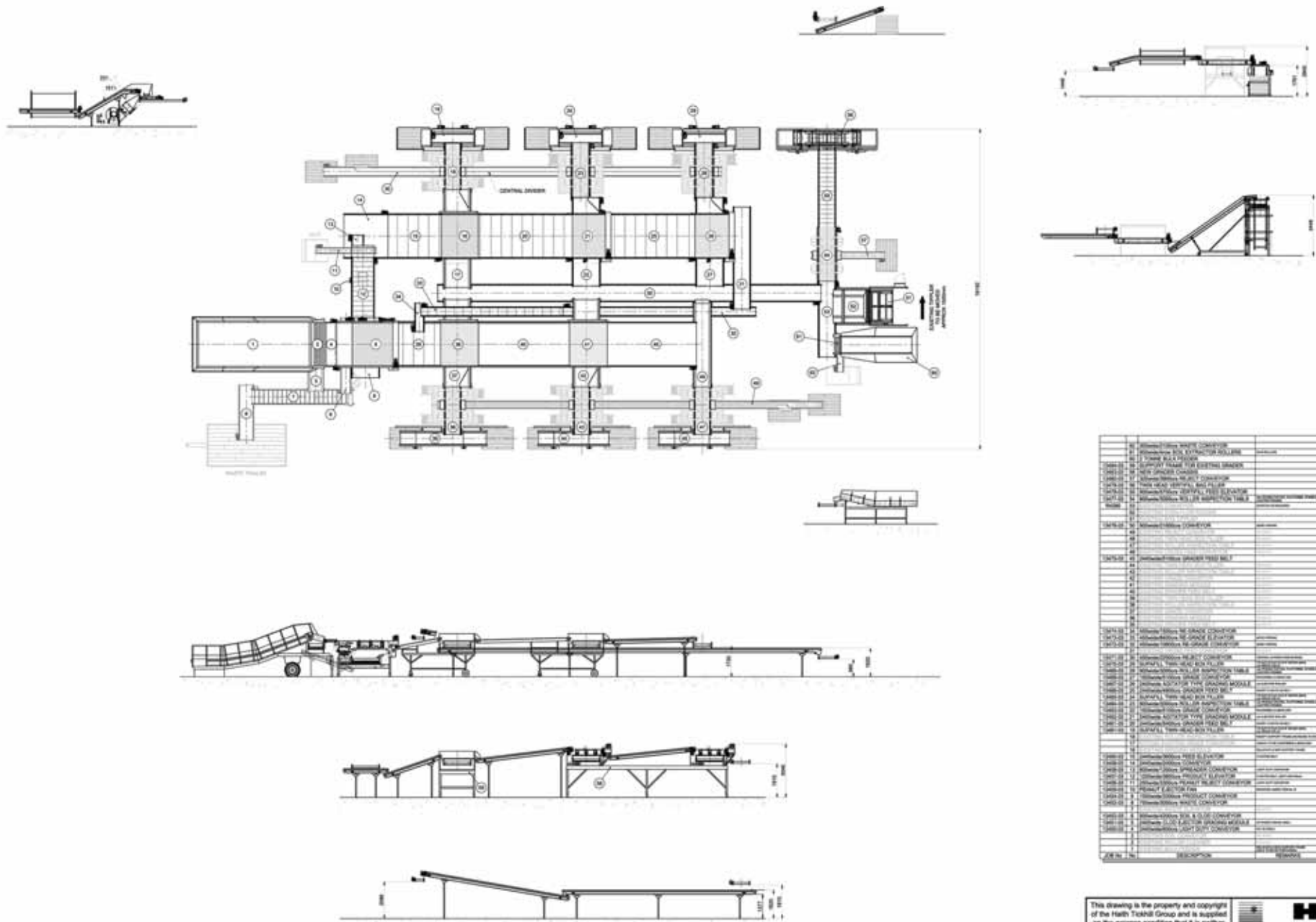
MANNER OF OFFERING In order to assist prospective purchasers the plant has been broken down into individual lots for identification purposes. The auctioneer has absolute discretion regarding the offering of the lots and may offer lots as a group or consolidated lots, but where possible prospective purchasers wishing to bid for individual lots will be accommodated.

Please note all capacities, dimensions and dates of manufacture are approximate and potential purchasers should make their own inspection for verification.

LOT No. DESCRIPTION	NOTES
LOT 1:	
Potato Grading & Boxing Line YOM 1999 - 2001 comprising of:	
Herbert bulk reception 8 tonne Evenflow bulk hopper	
Herbert 6 row variable pitch adjustable coil cleaner for cleaning and effective sizing out of small crop	
Herbert soil conveyor	
Haith 2400 series screen grader, clod and stone remover 2400mm wide reverse feed conveyor, bypass and cross elevator, clod & stone roller variable speed, 3 set agitators with rotary cleaner brush and sprayer, screen changer with hand roller	
Haith stone & clod conveyor 4200mm shaft centre length 500mm wide endless side track belt with 75mm skirting	
Haith soil elevator	
Haith stone & clod conveyor 3000mm shaft centre length 700mm wide endless side track belt with 75mm skirting	
Haith outgrade discharge conveyor 4500mm shaft centre length 1500mm wide endless side track with 75mm skirting	
Pneumatic separator / peanut ejector fan with 3ph fan ducting	
Haith waste conveyor 3000mm shaft centre length 250mm wide endless side track belt with 75mm skirting	
Haith feed elevator with in feed hopper 3000mm shaft centre length 1500mm wide endless side track collated belt with 75mm skirting	
Haith return conveyor 7800mm shaft centre length 450mm wide endless side track belt with 75mm skirting	
Haith return conveyor 1500mm shaft centre length 450mm wide endless side track belt with 75mm skirting	
Herbert grader feed belt conveyor	
Herbert grading module extra long 16'6" - 2030mm variable speed drive and agitation 35mm steel grading screen with triple short throw agitators	
Herbert grading conveyor 4020mm x 1500mm wide fixed plough to narrow crop delivery	
Herbert roller inspection table 3050mm long x 900mm wide close coupled rollers, complete with variable speed drive, overhead lighting, side chute reject, 2.75" close pitch chain, operator seats, platform and power points	
Herbert twin head box filler TGFBF twin gentle rise and lower automatic fill flow box filler with weigh cell system twin fixed platforms invertors variable speed on top conveyor ultrasonic crop sensors: proximity limit sensors :conveyor belt: 711mm wide endless edge tracked	
Herbert grader feed belt conveyor	
Herbert grading module extra long 16'6" - 2030mm variable speed drive and agitation 35mm steel grading screen with triple short throw agitators	
Herbert grading conveyor	
Herbert roller inspection table 3050mm long x 900mm close coupled rollers, wide complete with variable speed drive, overhead lighting, side chute reject, 2.75" close pitch chain, operator seats, platform and power points	
Herbert twin head box filler TGFBF twin gentle rise and lower automatic fill flow box filler with weigh cell system twin fixed platforms invertors variable speed on top conveyor ultrasonic crop sensors: proximity limit sensors :conveyor belt: 711mm wide endless edge tracked	

LOT No. DESCRIPTION	NOTES
Haith forward feed conveyor 5100mm shaft centre length 2400mm wide endless side track belt with 75mm skirting	
Herbert cross feed conveyor	
Herbert roller inspection table 3050mm long x 900mm close coupled rollers, wide complete with variable speed drive, overhead lighting, side chute reject, 2.75" close pitch chain, operator seats, platform and power points	
Herbert twin head box filler TGFBF twin gentle rise and lower automatic fill flow box filler with weigh cell system twin fixed platforms invertors variable speed on top conveyor ultrasonic crop sensors: proximity limit sensors :conveyor belt: 711mm wide endless edge tracked	
Herbert reject conveyor	
LOT 2:	
Bag / Boxing Line YOM 2001 comprising of:	
Haith bag filler feeder conveyor 21.6mtr shaft centre length 900mm wide endless side track belt 75mm skirting	
Herbert bulk reception 7 tonne even flow box tipper	
Herbert even flow feeder	
Herbert conveyor	
Herbert roller inspection table 3050mm long x 900mm close coupled rollers, wide complete with variable speed drive, overhead lighting, side chute reject, 2.75" close pitch chain, operator seats, platform and power points	
Haith Vertifill feed elevator 5700mm shaft centre length 900mm endless side track collated belt 75mm skirting and in feed hopper	
Haith Vertifill box & bag even fill filler with traversing main conveyor 2400mm shaft centre length 600mm endless self tracking belt 100mm skirting, twin weigh platforms with load sensors at 1500kg per beam, with high speed thermal transfer label printer.	
Haith roller inspection table and reject conveyor 3900mm shaft centre length 300mm wide close coupled rollers, endless side track belt 75mm skirting	
LOT 3:	
Potato Grading & Boxing Line YOM 1999 – 2001 comprising of:	
Haith out grade spreader conveyor 1200mm shaft centre length 750mm wide endless side track belt 75mm skirting	
Haith line feed conveyor 2400mm shaft centre length 2440mm wide endless side track belt 75mm skirting	
Haith line feed elevator 3600mm shaft centre length 2440mm wide endless side track collated belt 75mm skirting	
Herbert grading module extra long 16'6" - 2030mm variable speed drive and agitation 35mm steel grading screen with triple short throw agitators	
Herbert grade conveyor	
Herbert roller inspection table 3050mm long x 900mm wide close coupled rollers, complete with variable speed drive, overhead lighting, side chute reject, 2.75" close pitch chain, operator seats, platform and power points	
Haith Supafill box filler stationary centre conveyor 2100mm shaft centre length 550mm wide endless self tracking belt feeding either side rise and fall box conveyors, probe control twin weigh platforms 2 x load sensors 1500kg per beam and high-speed thermal transfer labeler printer	
Haith forward feed elevator 5400mm shaft centre length 2440mm wide endless side track belt 75mm skirting with in feed hopper	

LOT No. DESCRIPTION	NOTES
Haith screen grader 2000mm shaft centre length 2400mm wide screen variable speed with adjustable clutch, twin drums and power agitators, screen unplugging device and charging system	
Haith out grade conveyor 5100mm shaft centre length 1500mm wide endless side track belt 75mm skirting	
Haith roller inspection table 3000mm shaft centre length 900mm close coupled rollers, roller width 63mm pitch x 2050 side chains fully enclosed 5/8" pitch chain drive, waste picking chutes, working platforms and steps	
Haith Supafill box filler stationary centre conveyor 2100mm shaft centre length 550mm wide endless self tracking belt feeding either side rise and fall box conveyors, probe control twin weigh platforms 2 x load sensors 1500kg per beam and high-speed thermal transfer labeler printer	
Haith forward feed elevator 4700mm shaft centre length 2440mm wide endless side track collated belt 75mm skirting	
Haith screen grader 2000mm shaft centre length 2400mm wide screen variable speed with adjustable clutch, twin drums and power agitators, screen unplugging device and charging system	
Haith out grade conveyor 5100mm shaft centre length 1500mm wide endless side track belt 75mm skirting	
Haith roller inspection table 3000mm shaft centre length 900mm roller close coupled rollers, width 63mm pitch x 2050 side chains fully enclosed 5/8" pitch chain drive, waste picking chutes, working platforms and steps	
Haith Supafill box filler stationary centre conveyor 2100mm shaft centre length 550mm wide endless self tracking belt feeding either side rise and fall box conveyors, probe control twin weigh platforms 2 x load sensors 1500kg per beam and high-speed thermal transfer labeler printer	
Herbert cross feed conveyor	
LOT 4: Combination of lots 1,2 & 3 offered complete Detailed as above in Lots 1,2 & 3	
LOT 5: Herbert System 2400 Intake Grading & Box Filling Line YOM 2006 comprising of: Herbert System 2400 7 tonne bulk track hopper Herbert System 2400 6 row spiral cleaner Herbert soil cross conveyor (type K) 4270mm x 711mm Herbert grading module extra long 16'6" - 2030mm variable speed drive and agitation 35mm steel grading screen with triple short throw agitators Pintle potato ejector Herbert Z type grader cross conveyor 4500mm x 1500mm Herbert Z type delivery conveyor 3600mm x 2400mm Herbert grading module extra long 16'6" - 2030mm variable speed drive and agitation 35mm steel grading screen with triple short throw agitators Pintle potato ejector Herbert Z type grader cross conveyor 4500mm x 1500mm Herbert Z type delivery conveyor 3900mm x 2400mm Herbert Z type end cross conveyor 4500mm x 900mm Herbert Z type soil delivery conveyor 6300mm x 600mm Herbert roller inspection table 3050mm shaft centre length 900mm close coupled rollers, roller width 63mm pitch x 2050 side chains fully enclosed 2.75" pitch chain drive, waste picking chutes, working platforms and steps	



NO.	DESCRIPTION	REVISION
001	PROPOSED MODIFICATIONS TO POTATO GRADING SYSTEM	01/01/04
002	REVISION TO THE DESIGN OF THE CENTRAL DRIVE	01/01/04
003	REVISION TO THE DESIGN OF THE HOPPER	01/01/04
004	REVISION TO THE DESIGN OF THE CONVEYOR	01/01/04
005	REVISION TO THE DESIGN OF THE SIEVE	01/01/04
006	REVISION TO THE DESIGN OF THE GRADE SORTER	01/01/04
007	REVISION TO THE DESIGN OF THE GRADE SORTER	01/01/04
008	REVISION TO THE DESIGN OF THE GRADE SORTER	01/01/04
009	REVISION TO THE DESIGN OF THE GRADE SORTER	01/01/04
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Haith
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PROPOSED MODIFICATIONS TO POTATO GRADING SYSTEM

CS4181	A0	CHRIS MAKIN
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UNLESS OTHERWISE SPECIFIED TOLERANCES ON DIMENSIONS ARE:
 Millimetre measurements: ± 0.1
 Hole diameters: ± 0.05
 Threaded holes: ± 0.1

LOT No. DESCRIPTION	NOTES
Herbert Z rejects delivery conveyor 12300mm x 450mm	
Herbert roller inspection table 3050mm shaft centre length 900mm close coupled rollers, roller width 63mm pitch x 2050 side chains fully enclosed 2.75" pitch chain drive, waste picking chutes, working platforms and steps	
Herbert roller inspection table 3050mm shaft centre length 900mm close coupled rollers, roller width 63mm pitch x 2050 side chains fully enclosed 2.75" pitch chain drive, waste picking chutes, working platforms and steps	
Herbert rejects elevator (type E) 4200mm x 450mm	
Herbert twin head box filler TGFBF twin gentle rise and lower automatic fill flow box filler with weigh cell system twin fixed platforms invertors variable speed on top conveyor ultrasonic crop sensors: proximity limit sensors :conveyor belt: 711mm wide endless edge tracked	
Herbert twin head box filler TGFBF twin gentle rise and lower automatic fill flow box filler with weigh cell system twin fixed platforms invertors variable speed on top conveyor ultrasonic crop sensors: proximity limit sensors :conveyor belt: 711mm wide endless edge tracked	
Herbert twin head box filler TGFBF twin gentle rise and lower automatic fill flow box filler with weigh cell system twin fixed platforms invertors variable speed on top conveyor ultrasonic crop sensors: proximity limit sensors :conveyor belt: 711mm wide endless edge tracked	
Complete with all stairways, walkways gantry and supporting chassis inspection and maintenance platforms & ladders	
LOT 6	
Haith 2400 Grading, Bag & Boxing line YOM 2004 comprising of:	
Haith Supaflow 7 tonne 2400mm bulk tipper	
Haith main in feed elevator 8100mm shaft centre length 2400mm wide endless track cleated belt	
Haith adjustable centre roller soil extract 2400mm wide x 600mm six smooth rollers with scrapers fully adjustable 50mm variable speed	
Haith soil conveyor 4800mm shaft centre length 600mm wide 75mm skirting	
Haith screen grader with clod and stone remover 2400mm wide integral in feed conveyor, reverse variable speed conveyor, clod & stone roller, variable speed screen agitators x 3, rotary cleaning brush and spray bar screen changer with hand winder	
Haith outgrade discharge conveyor 4200mm shaft centre length x 900mm wide endless side track belt 75mm skirting	
Haith stone & clod conveyor 4800mm shaft centre length x 500mm wide endless track belt 75mm skirting	
Haith four row spreading rollers 1800mm wide 3ph	
Haith screen grader 1800mm wide screen variable speed with adjustable clutch fully enclosed chain drive to twin drums complete with 2 set adjustable variable speed powered agitators screen un-plugging device and changer system	
Haith discharge conveyor 3000mm shaft centre length x 1200mm wide endless side track belt 75mm skirting	
Haith four row spreading rollers 1200mm wide 3ph	
Haith screen grader 1200mm wide screen variable speed with adjustable clutch fully enclosed chain drive to twin drums complete with 2 set adjustable variable speed powered agitators screen un-plugging device and changer system	
Haith grade conveyor manually adjustable plough 2100mm shaft centre length x 2100mm wide endless side track belt 75mm skirting	
Haith roller inspection table 2400mm shaft centre length 1200mm roller close coupled rollers, width 63mm pitch x 3400kg side chains fully enclosed, waste picking chutes, working platforms and steps	
Haith Supafill box filler stationary centre conveyor 2100mm shaft centre length 550mm wide endless self tracking belt feeding either side rise and fall box conveyors, probe control twin weigh platforms 2 x load sensors 1500kg per beam and high-speed thermal transfer labeler printer	
Haith feed conveyor 5400mm shaft centre length x 1200mm wide endless side track belt 75mm skirting	

LOT No.	DESCRIPTION	NOTES
	Haith Supafill box filler stationary centre conveyor 2100mm shaft centre length 550mm wide endless self tracking belt feeding either side rise and fall box conveyors, probe control twin weigh platforms 2 x load sensors 1500kg per beam and high-speed thermal transfer labeler printer	
	Haith roller inspection table 2400mm shaft centre length 1200mm roller close coupled rollers, width 63mm pitch x 3400kg side chains fully enclosed, waste picking chutes, working platforms and steps	
	Haith forward feed conveyor 1800mm shaft centre length x 2400mm wide endless side track belt 75mm skirting	
	Haith screen grader 2000mm wide screen variable speed with adjustable clutch fully enclosed chain drive to twin drums complete with 2 set adjustable variable speed powered agitators screen un-plugging device and changer system	
	Haith outgrade discharge conveyor 6000mm shaft centre length x 1500mm wide endless side track belt 75mm skirting	
	Haith roller inspection table 2400mm shaft centre length 1200mm roller close coupled rollers, width 63mm pitch x 3400kg side chains fully enclosed, waste picking chutes, working platforms and steps	
	Haith Vertifill box & bag even fill filler with traversing main conveyor 2400mm shaft centre length 600mm endless self tracking belt 100mm skirting, twin weigh platforms with load sensors at 1500kg per beam, with high speed thermal transfer label printer.	
	Haith forward feed conveyor 4200mm shaft centre length x 2400mm wide endless side track belt 75mm skirting	
	Haith screen grader 2000mm shaft centre length x 2400mm wide screen variable speed with adjustable clutch fully enclosed chain drive to twin drums complete with 2 set adjustable variable speed powered agitators screen un-plugging device and changer system	
	Haith outgrade discharge conveyor 6000mm shaft centre length x 1500mm wide endless side track belt 75mm skirting	
	Haith roller inspection table 2400mm shaft centre length 1200mm roller close coupled rollers, width 63mm pitch x 3400kg side chains fully enclosed, waste picking chutes, working platforms and steps	
	Haith Vertifill box & bag even fill filler with traversing main conveyor 2400mm shaft centre length 600mm endless self tracking belt 100mm skirting, twin weigh platforms with load sensors at 1500kg per beam, with high speed thermal transfer label printer.	
	Haith forward feed conveyor 4500mm shaft centre length x 2400mm wide endless side track belt 75mm skirting	
	Haith feed cross conveyor 6000mm shaft centre length x 1200mm wide endless side track belt 75mm skirting	
	Haith roller inspection table 2400mm shaft centre length 1200mm roller close coupled rollers, width 63mm pitch x 3400kg side chains fully enclosed, waste picking chutes, working platforms and steps	
	Haith Vertifill box & bag even fill filler with traversing main conveyor 2400mm shaft centre length 600mm endless self tracking belt 100mm skirting, twin weigh platforms with load sensors at 1500kg per beam, with high speed thermal transfer label printer.	
	2 x Haith reject conveyors 14100mm shaft centre length x 450mm wide endless side track belt 150mm skirting	
	Haith reject conveyor 5700mm shaft centre length x 450mm wide endless side track belt 150mm skirting	
	Haith waste elevator 2400mm shaft centre length x 450mm wide endless side track belt 75mm skirting	
	Haith bulk hopper 2100mm long horizontal section, 1800mm inclined section 900mm wide rubber belt 3400kg breaking load side chain invertors variable speed control with 450mm extension side and rear panels	
	Haith adjustable centre roller soil extractor 1200mm wide six smooth rollers with scrapers fully adjustable 50mm variable speed	
	Haith soil conveyor 2100mm shaft centre length 600mm wide 75mm skirting	
	Haith waste elevator 4200mm shaft centre length x 600mm wide endless side track belt 75mm skirting	
	Haith feed elevator 5400mm shaft centre length x 1200mm endless side track cleated belt 75mm skirting	
	Complete with all stairways, walkways gantry and supporting chassis inspection and maintenance platforms & ladders	

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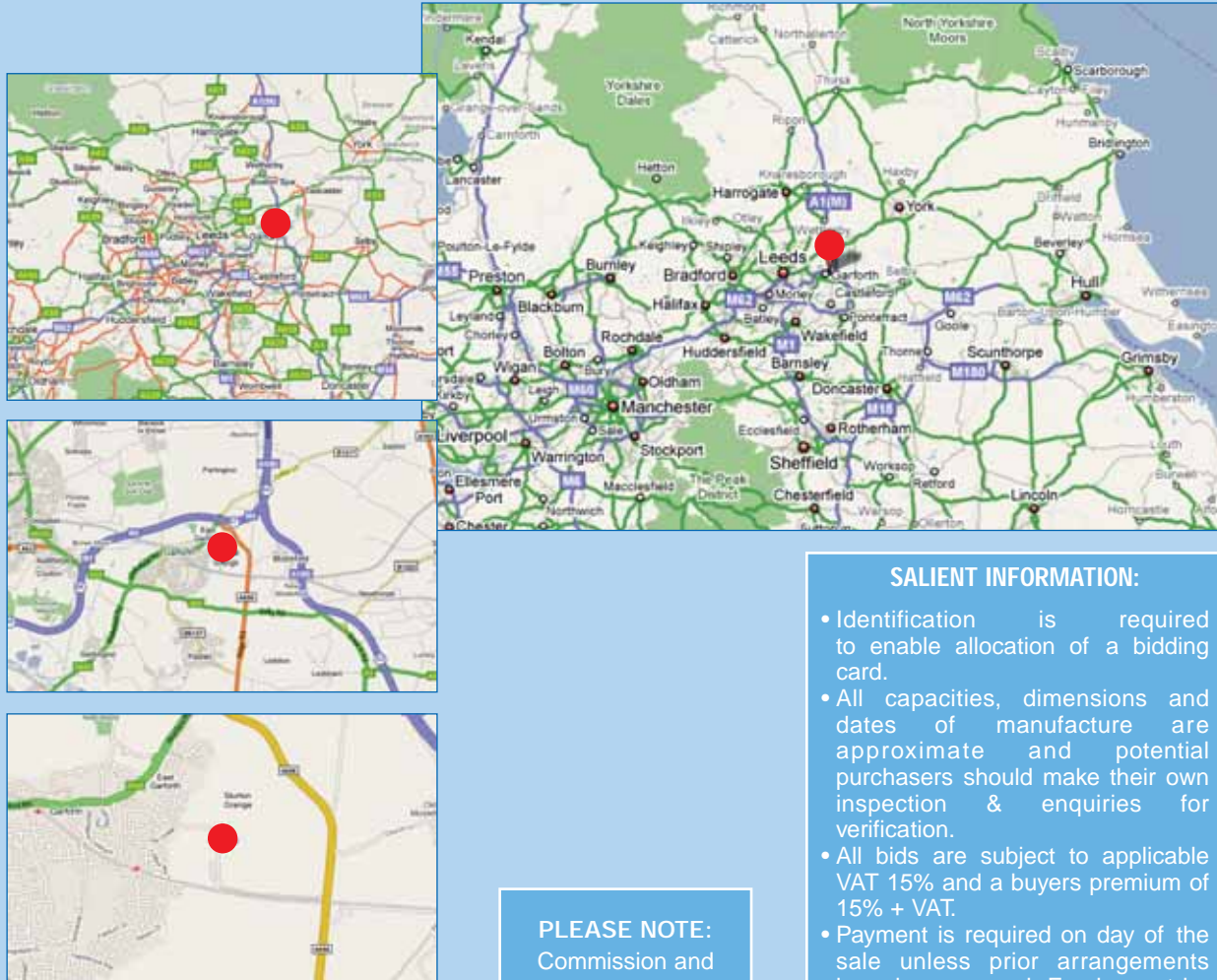
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