

# FORMATIC

## Instruction Manual

(REVISION 04.4.2)



# DEIGHTON

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STANDARD

# FORMATIC

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## **(1) INTRODUCTION**

The **Formatic** range by Deighton Manufacturing (UK) Ltd guarantees accurate forming and portioning of a wide variety of food mixtures and products.

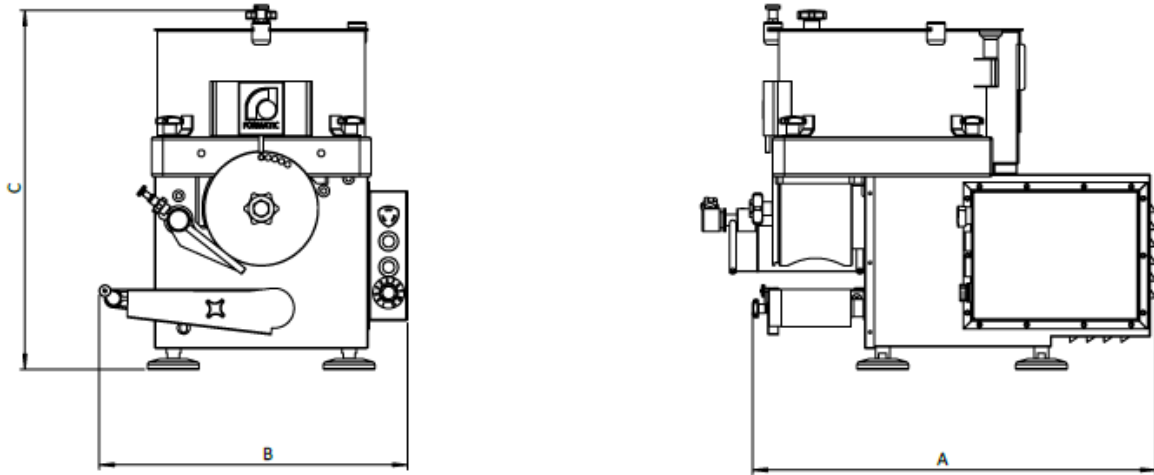
Encompassing Retail and Commercial sized models, the range has been designed to accommodate the needs of both high and low volume producers.

Simplicity is the strength of the Formatic system. Suited to a variety of mixtures of numerous textures and consistencies, the Formatic uses synchronised paddles to gently press mixture into the required form shape.

Assisted by the wire drum scraper, the formed product is then smoothly ejected onto the conveyor, presenting it for packaging or further processing.

## (2) TECHNICAL SPECIFICATION

### Formatic



All dimensions in millimeters (mm)

<b><u>Retail Machine</u></b>	<b><u>R1200</u></b>	<b><u>R2200</u></b>	<b><u>R3000</u></b>	<b><u>R4000</u></b>
<b>Size:</b>				
Length (A)	797	797	896	896
Width (B)	536	536	536	536
Height (C)	640	640	640	640
<b>Weight:-</b>	75 Kg	75 Kg	82 Kg	82 Kg
<b>Capacity Product Drops :-</b>	1200/hr	2200/hr	3000/hr	4000/hr
<b>Hopper Capacity:-</b> (Optional Hoppers Available on Request)	20 litres	20 litres	20 litres	20 litres
<b>Product Size (max):-</b>	140mm x 120mm x 24mm thick 110mm x 120mm x 34mm thick (deep drop)			
<b>Electrical Supply:-</b>	220-240V / Single Phase / 50 & 60 Hz AC			
<b>Power:-</b>	550 Watt	550 Watt	750 Watt	1100 Watt

It should be noted that on certain products it is possible to increase the product output by specifying a 180-degree machine. This enables a form to be placed on each side of the drum to effectively double production output.

<b><u>Commercial Machine</u></b>	<b><u>C2000</u></b>	<b><u>C4000</u></b>
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**Size:**

Length (A)	828	828
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Width (B)	1079	1079
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Height (C)	710	710
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<b>Weight:-</b>	90 Kg	90 Kg
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<b>Product Output:-</b>	2000/hr	4000/hr
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<b>Hopper Capacity:-</b>	30 litres	30 litres
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(Optional Hoppers Available on Request)

<b>Product Size (max):-</b>	140mm x 135mm x 24mm thick 120mm x 130mm x 34mm thick (deep drop)	
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<b>Electrical Supply:-</b>	220-240V / Single Phase / 50 & 60 Hz AC	
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<b>Power:-</b>	750 Watt	1100 Watt
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It should be noted that on certain products it is possible to increase the product output by specifying a 180-degree machine. This enables a form to be placed on each side of the drum to effectively double production output.

### **(3) INSTALLATION PROCEDURE**

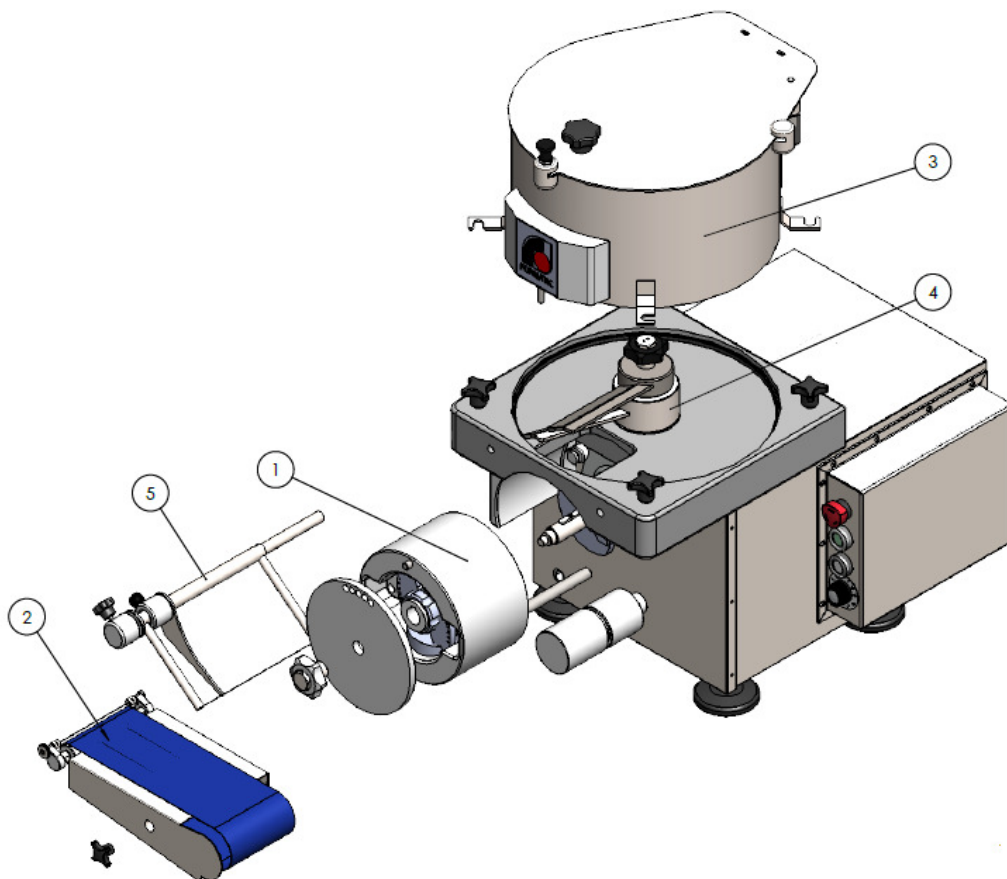
3.1 Check the Formatic for transport damage and report any immediately to Deighton Manufacturing Ltd.

3.2 Before Operating the machine: -

Remove any packaging material.

Position the Formatic relative to any other equipment it will be connected with. Connect the machine to the correct supply.

3.3 The Formatic machine will come assembled in various stages dependent on the accessories supplied. The accessories are the Forming Drums, Conveyors, Hoppers, Scraper Arm assembly and Forming Paddles. Make sure the machine is disconnected from the power supply before changing any of these accessories.



3.4 Step 1; The Hopper must be unsecured and rotated clockwise so the pin on the cover block is clear to allow the Forming Drum to be removed or located – see 3.6.

Replacing or locating the forming Drum can be done at any stage of the machine cycle if the forming pistons are fully “ejected” by pushing them from the inside to the outside of the forming drum. This is to ensure the piston bearings/rollers run around the edge of the Forming Cam (FF410-1BKDD).

If the keyway on the Drum Shaft is located at 8 o’clock a standard forming drum (360) will fully slide on without the need to push out a piston. A Drum on a 180 machine will need the piston at the 8 o’clock position pushing out completely to clear the Form Cam so the Drum can be fully located.

Once the Drum is correctly and fully on the machine, the Paper Attachment Cam (Drum Guard) can be fitted This should sit flush against the edge of the machine top.

Step 2;        The machine will usually be sent without the Conveyor assembled in position. Take off the Conveyor Locking Knob (F127) and locate the Conveyor Platform onto the conveyor pivot shaft to the left of the conveyor drive roller through the aperture in the side of the Platform.

Rotate the Platform to the 10 o’clock position to create sufficient excess in the conveyor belt to allow the belt to be placed around the conveyor drive roller, while sliding the platform on the pivot shaft.

Before lowering the platform to its final position make sure the track in the inside of the belt locates within the groove of the roller, then slowly lower the Conveyor Platform on to the ‘Blank Stud’ and secure in place with the Conveyor Locking Knob (F127).

Step 3;        Before placing the Hopper on the machine ensure the Hopper Seal is correctly located and pressed firmly into the cut-out within the recess of the Formatic Top Plate, there should be a slight groove in the Hopper Seal which the Hopper will sit to help complete the seal.

It is best to remove the Paddles from the machine while attempting to correctly fit the Hopper to ensure the Hopper Bars inside are not obstructed – see 3.7.

Release the Hopper Securing Knobs (F124) to allow sufficient space to allow the Securing Lugs of the Hopper to locate into place.

Lift the Hopper on the Formatic with the Formatic logo plate facing the front of the machine with each Hopper lug slightly clockwise of its corresponding securing knob. Placing the Hopper on the machine, ensuring the Hopper is correctly seated within the groove of the Hopper Seal.

**Please ensure the DRUM SECURING PIN (F471A) is directly above the drum and preventing the DRUM COVER/ PAPER ATTACHMENT CAM from being able to be removed.**

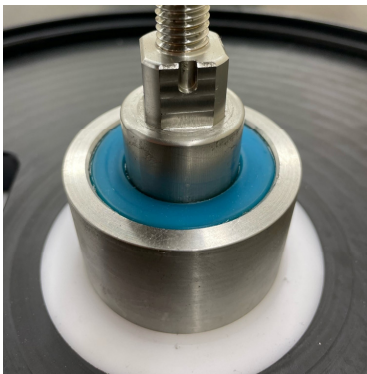
The Hopper can then be rotated clockwise so the Hopper lugs sit directly under the Hopper Securing Knobs (F124) which can then be screwed down to lock the Hopper in place.

*Note: the hopper will only locate in one position with the hopper bars towards the front right of the machine.*

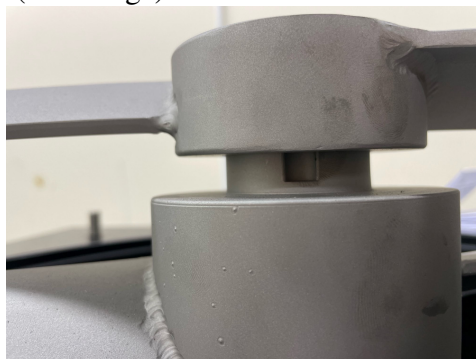
*Always ensure the hopper is installed correctly and firmly in place within the seal groove located in the hopper top.*

Check the hopper bar is secure in the hopper. If it has been removed for any reason when it is replaced use locktite to lock in position.

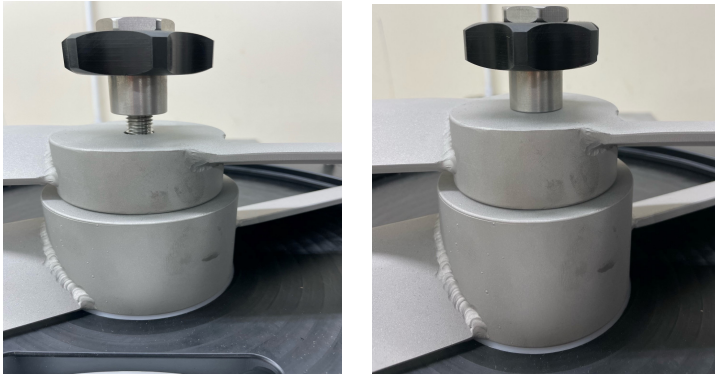
Step 4; Position the chosen paddles onto the square drive paddle shaft at the top of the machine, ensuring the square drives are aligned with pin rebate location on the bottom paddle. (See image)



Next position the top paddle over the drive paddle shaft ensuring the paddle pin engages with paddle slot on the bottom paddle. (See image)



Now secure in place with paddle retaining knob (F130B). Screw the paddle knob so this is hand tight and the bottom face of the paddle knob is flush with the top face of the top paddle. (See image)



Step 5; There are two variations of the Scraper Shaft Assembly which locates into the white housing to the left of the Drum. The Auto Wire Clean version will require the insertion of the Scraper Arm Bush (F4323) lug to be located into the Drive Block (F433BK) slot as the Scraper Shaft assembly is fitted to the machine. This is not applicable with a Manual Wire Clean version.

Before inserting the shaft assembly, ensure the Locking Plunger Pin is pulled back on the machine to clear the opening to allow Scraper Shaft to be inserted. Push home the assembly so that the wire support bar engages in the housing slot.

This can be done at any stage of machine cycle, but it may be necessary to rotate the housing clockwise with the aid of the Locking Plunger to allow the Scraper Shaft Assembly to locate the Wire Support fully in the housing on the machine.

If the Drum Shaft Key is between 3-4 o'clock position, and also 9-10 o'clock position on 180 machines, the housing is rotated away from the drum for easier fitment of the Scraper Wire Assembly.

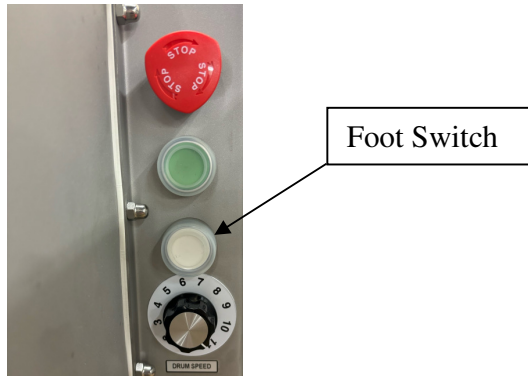
Once correctly located, the locking Plunger pin will lock the Scraper Wire Assembly into position.

The working position of the scraper wire to the drum, although factory set, can be adjusted by turning the grub screw located under the Bung (F149) on the left-hand side of the machine. The tension of the scraper wire can also be adjusted by rotating the Wire Tension Bush (F429A) which is fixed by the Lock Knob (F147).



#### **(4) OPERATING THE MACHINE**

Connect the machine to the supply and press the green start button. The form drum conveyor and hopper paddles should rotate smoothly and quietly. If a foot switch is fitted this will need depressing to operate. The foot switch is selected by depressing the white latch on button to activate the foot switch mode.



If any of the safety interlock are not in place the machine will not operate. Relocate the interlock and press the green start button to operate. Drum sensor or Hopper guard sensor

To stop the machine, press the red stop button (or release foot switch if fitted).

If the machine will not operate check the following:

1. The machine power is switched on
2. The hopper guard micro switch is in place
3. The drum sensor switch is made and drum fully installed
4. There is nothing preventing the free rotation of paddles or drum
5. The stop button is not depressed

If, after carrying out these simple checks, you still do not get any rotation when the start button is depressed, please contact your machine supplier or the manufacturer for further assistance.

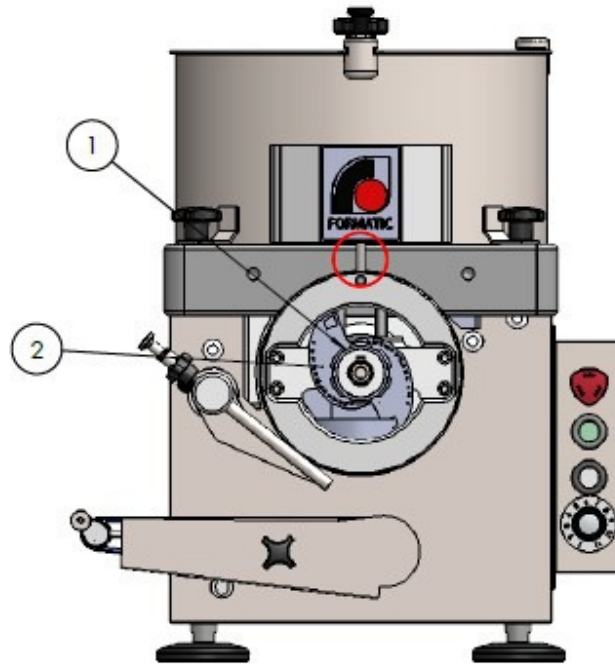
Always clean the machine thoroughly prior to production (see cleaning).

When using an auto wire cleaning system always lubricate the metal shaft the scraper moves along with the food lubrication spray provided prior to using the machine.

Initially practice starting and stopping the machine until you are able to stop the forming drum with the mould at 90 degrees to the hopper, being positioned on the left hand side of the forming drum when viewed from the front. This is the correct rest position and allows for simple removal and replacement of the forming drum and also makes it easy to vary the depth of the form to set the finished products weight.

Always make sure that there are no large pieces of bone or other hard items in the mix as they can damage your machine.

To adjust the thickness and weight of the finished product (the variation available being between 6mm and 34mm, approximately 3 – 8 oz) use the following routine.



- Approximately half fill the hopper with the mix to be used, checking its suitability
- Start the machine until two full forms are obtained
- Weigh the fully formed product and either increase or decrease the thickness until the correct weight is achieved. This is done by removing the paper attachment cam/guard, releasing the lock nut (item 1) and turning the spiral cam (item 2) the required amount.
- Re-tighten the lock nut and replace the paper attachment guard/cam and repeat procedure until correct setting is achieved.

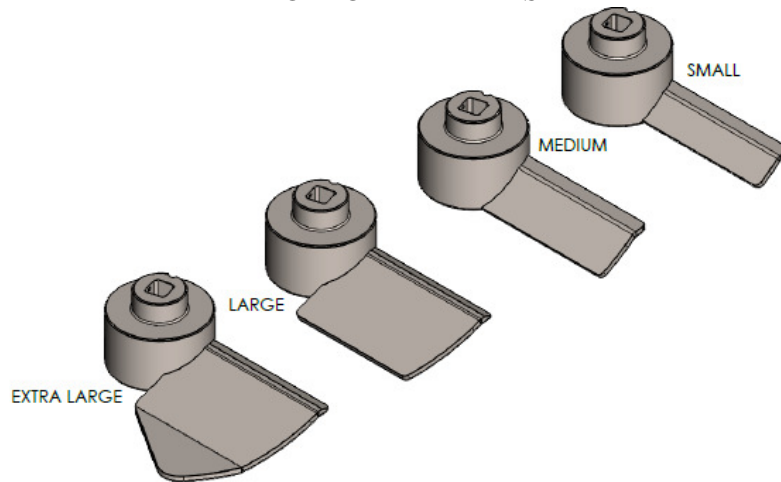
The machine is now ready to run.

Note: The scraper wire should be kept as clean as possible to aid the release of the product from the drum. The manual scraping of the wire should be carried out in the part of the cycle when the wire is away from the drum.

Generally, the size of the paddles should balance with the size of the product being formed i.e., small paddle combination for a small product.

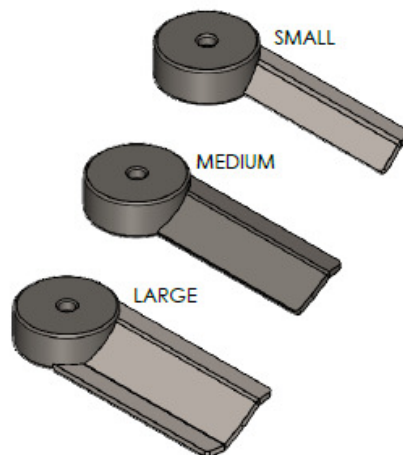
Deighton Manufacturing will supply the machine with a series of paddles suitable for the mix being used and the form sizes being created however you can obtain various sizes and combinations if problems occur with those supplied

## BOTTOM PADDLES

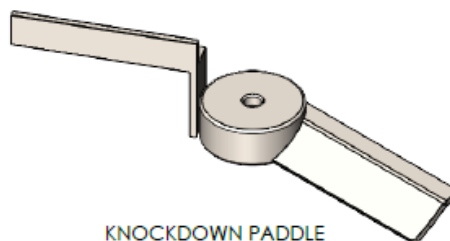


With each mix you use for the first time start it with the smallest bottom paddle available with no top paddle (In this case a top paddle spacer will have been supplied if deemed appropriate). If the form will not fill, fit the smallest top paddle and if problems still occur continue to fit a larger bottom, then top paddle until the form is filled.

## TOP PADDLES



If a mix is sticking to the hopper causing a 'tunnelling' effect a knockdown paddle can be supplied to release the product from the hopper and push it into the path of the pressure paddles.



If, in the unlikely event, problems still occur in filling and forming it may be necessary to modify the mix slightly to achieve the desired results.

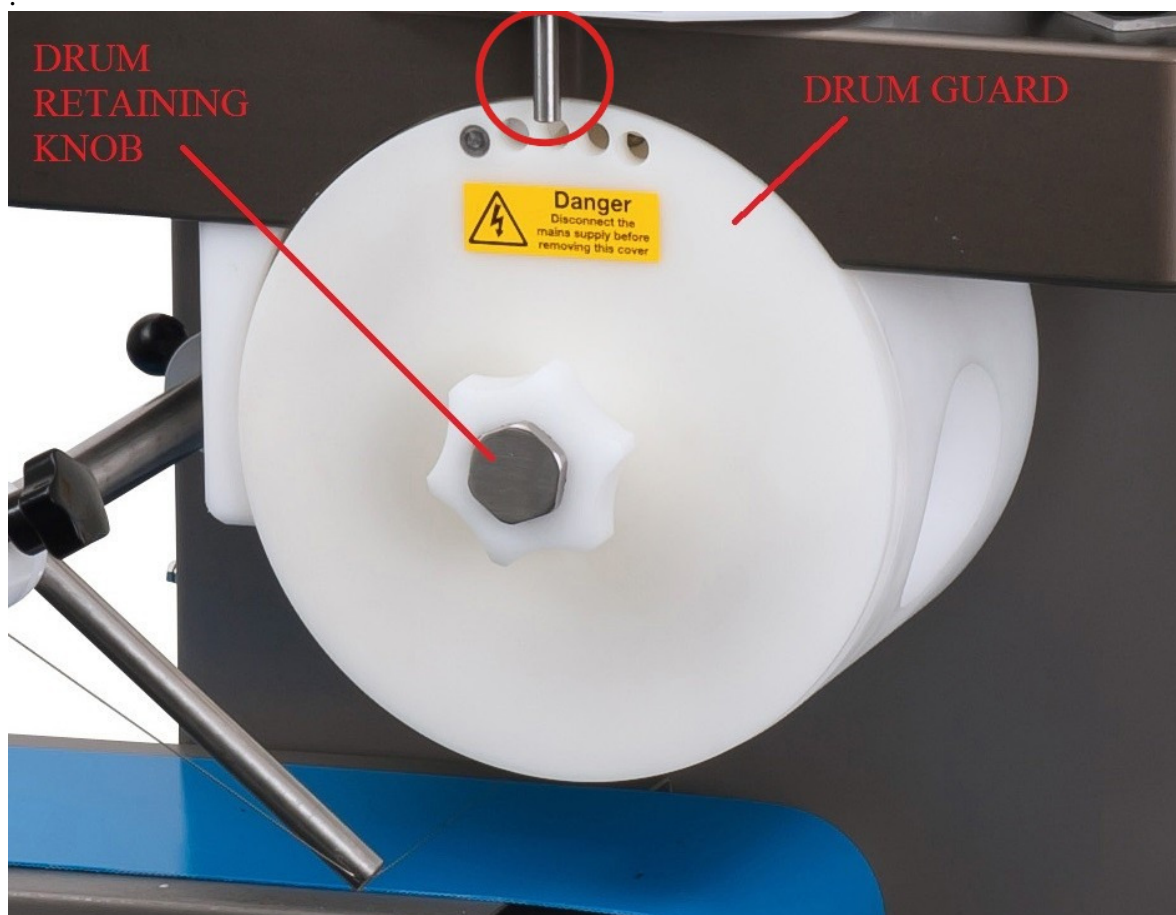
## **(5) DISMANTLING AND CLEANING**

After a days production run, it is recommended that the machine is cleaned.

**NOTE: ALWAYS ISOLATE THE MACHINE FROM THE MAINS SUPPLY BEFORE COMMENCING CLEANING.**

The machine is of stainless steel and anodized aluminum construction but includes some plastic (P.T.F.E. Polyacetal) components and can be cleaned using hot, soapy water.

Remove any remaining product from the hopper and belt by running out as much product as possible from the machine. See section (3&4) for further information on each accessory. Only use a plastic scraper to aid cleaning of the machine, do not use metal objects.



Remove the Drum Retaining Knob (F129A) and take off the Drum Guard (Paper Cam) and Forming Drum. The Drum should slide off by pulling towards yourself with hands placed on the back of the drum shell. If the drum is stuck check for any excess product and try again.

Open the Hopper (if applicable) and check the Paddles are clear of the Paddle Bars inside the Hopper and remove any excess product. Untighten the Paddle Retaining Knob (F130B) and the Paddles should lift off.



The Hopper can then be removed by untightening the Hopper Securing Knobs (F124 x4) and twisting the Hopper clockwise, so the Hopper Lugs are clear of the Knobs. The Hopper can then be lifted clear of the machine.

The Scraper Wire Assembly can be removed by freeing it from the machine by disengaging the Locking Pin (FF4355) and pulling clear of the housing.

To remove the Conveyor, undo the Conveyor Pivot Locking Knob (F127), lift the Conveyor to the 10 o'clock so the belt can be removed from the Conveyor Drive Roller, the slide away.

Wash all parts with hot water (at a temperature no greater than 60c) before the product has a chance to dry. Do not use strong alkaline/acid-based cleaners.



**Wash the belt and platform with hot soapy water, rinse with clean water and allow to dry.  
Do not use strong alkaline/acid based cleaners.**

Rinse with clean water

Once machine and parts are clean and dry reassemble.



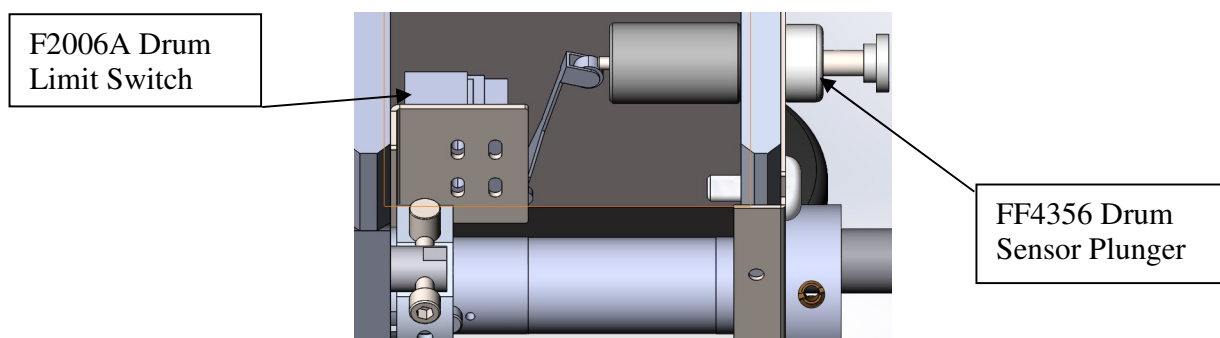
**ALWAYS TRY TO KEEP WATER AWAY FROM THE CONTROL BOX INTERFACE  
SCREEN AND MOTORS. DO NOT PRESSURE WASH.**

## **(6) SAFETY**

Ensure all operatives read these instructions and are fully conversant with the machine's operations and safety procedures

These machines are intended for sole purpose operation. In the case where an open Hopper (not available in UK & Europe) is used, the machine is to be disconnected from the power supply before any attempt is made to place any limbs in to the open hopper. The machine is not to be operated when anyone is reaching into the hopper whether for cleaning, blockages or any other reasons.

1. Always disconnect the mains supply before servicing, cleaning, or changing the drum
2. Disconnect the mains supply when removing drum and guard.
3. The machine should not be run when the drum guard is removed.
4. During operation the hopper guard can be opened to refill. This will automatically stop the machine
5. When removing or replacing the Scraper Wire Assembly from the machine disconnect from the mains supply.
6. No attempt should be made to override the safety switches or run the machine without the guards in place.
7. Use a 13-amp fuse in the plug.
8. **UL approved Formatic Only** Power requirements - On UL approved machines use a 20-amp Class B GFCI (receptacle).
9. For safe operation of the Formatic, a drum has to be installed. To ensure of this, the Formatic is fitted with a drum safety switch. Upon installation of the drum, this actuates the plunger switch and activates the drum sensor limit switch. This is located internally within the machine. (see figure 001SS) Once the switch is activated, the safety circuit is made and thus allowing operation of the Formatic.



## **(7) MAINTENANCE**

The only maintenance that is required is light oiling (food lube) of the form drum mechanism and scraper shaft after cleaning. The most beneficial thing to extend the life of the machine is;

- Keep it clean and dry when not in use.
- Ensure there are no large, hard objects within the mix.
- Ensure lubricated air is used to supply cylinder (if Auto Wire Clean is fitted).
- Ensure the operator has read the manual and knows how to fully assemble, disassemble and operate the machine.

## **GUARANTEE**

The machine is guaranteed for twelve months against breakdown. The items not covered under the guarantee are those which wear through normal operation. Replacements are readily available from the manufacturer.

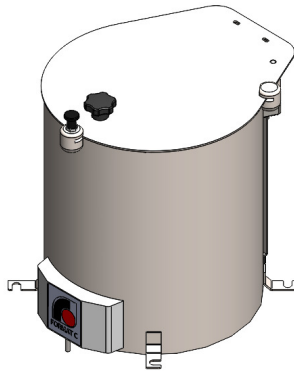
## **(8) OPTIONAL EXTRAS**

### **Hoppers**

As well as the standard hopper supplied with the machine several other hopper options are available for all the range of Formatics.

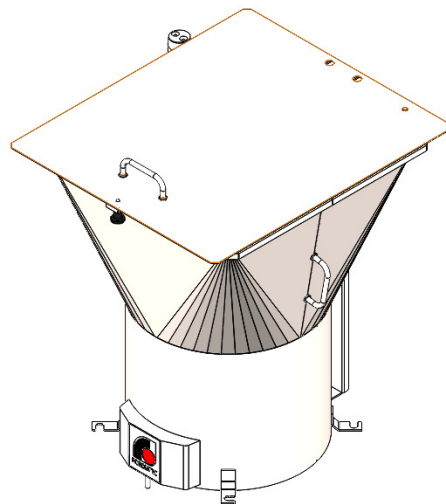
#### **Extended 45L Hopper**

Used in situations where a large batch of products is being produced to reduce the frequency of filling.



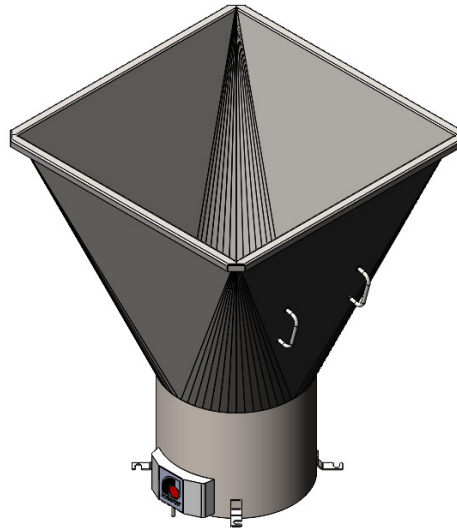
#### **75 Litre Hopper**

Used in large batch production to reduce the frequency of refilling.

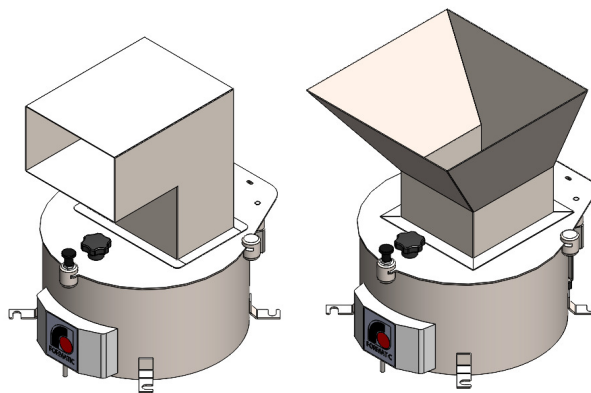


## 200 Litre Hopper

Again, used in very large production to reduce frequency of refilling. Can be filled using a 200kg bin lift.



We can also supply a 'gooseneck' or 'funnel' feeder for the standard and extended 45L hoppers. These enable the machine to be continually filled whilst in operation.



## Conveyors

The Formatic machines come supplied with a standard-length conveyor (length varies depending on model). Also available are extended and jointed conveyors.

Retail Formatic;

Standard Conveyor 300mm.

Extended conveyors of 750mm and 1000mm long with a jointed conveyor of 1500mm long are available.

Commercial Formatic;

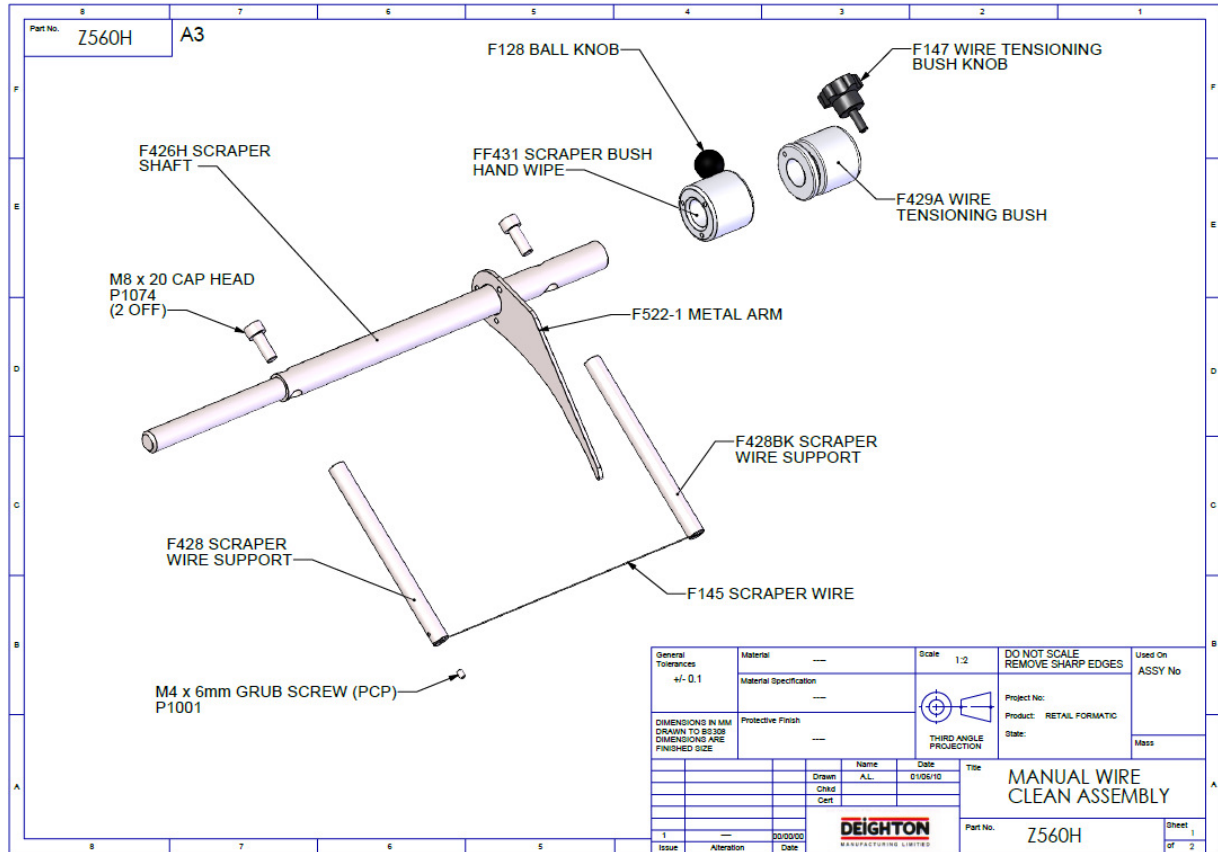
Standard Conveyor 500mm

Extended conveyors of 750mm and 1000mm are available with a jointed conveyor of 1500mm.

# DRUM SCRAPER WIRE CLEAN

## Manual

On the standard machine the scraper wire is cleaned manually at regular intervals to improve the release of the formed product. On a lot of meat products, it is essential to clean the wire after every form.

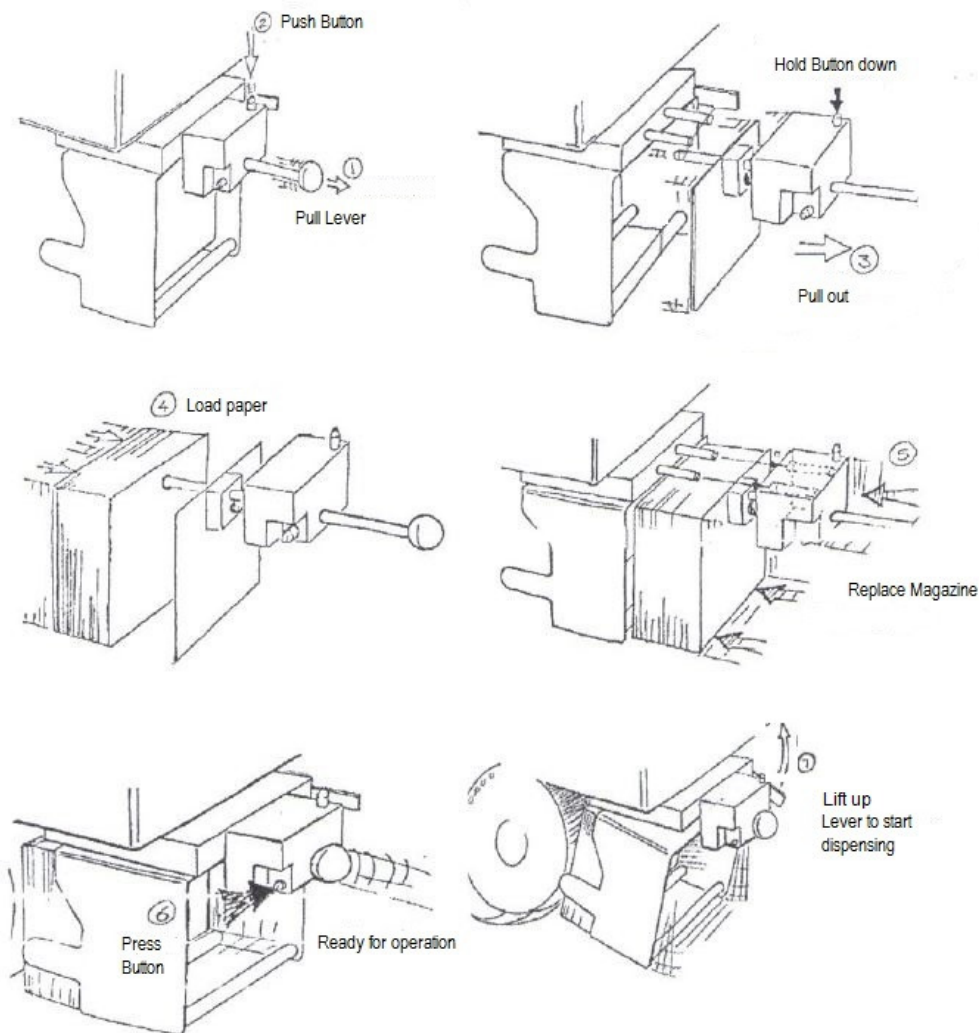




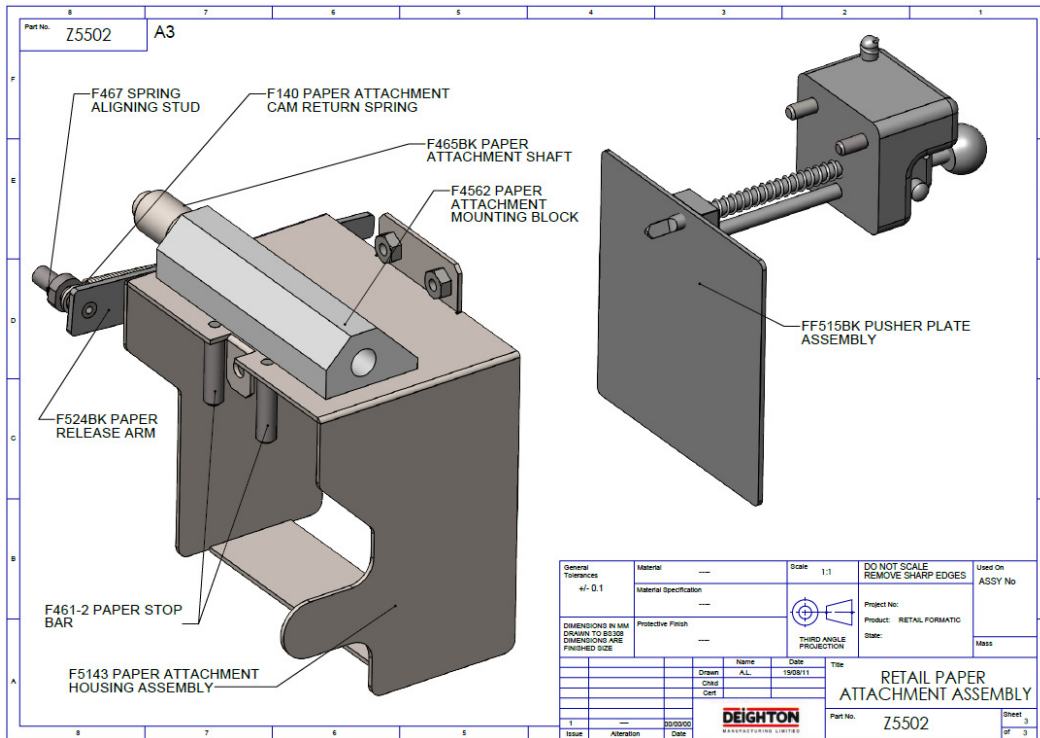
## Paper Attachment

Mainly used in the meat industry when there is a requirement to put paper interleaves between formed products. The papers (which can also be supplied by Deighton Manufacturing) are loaded onto a cartridge and then released onto the base of the formed product before being ejected onto the conveyor. Position of the paper relative to the form can be adjusted simply by rotating the paper attachment cam position on the drum pin.

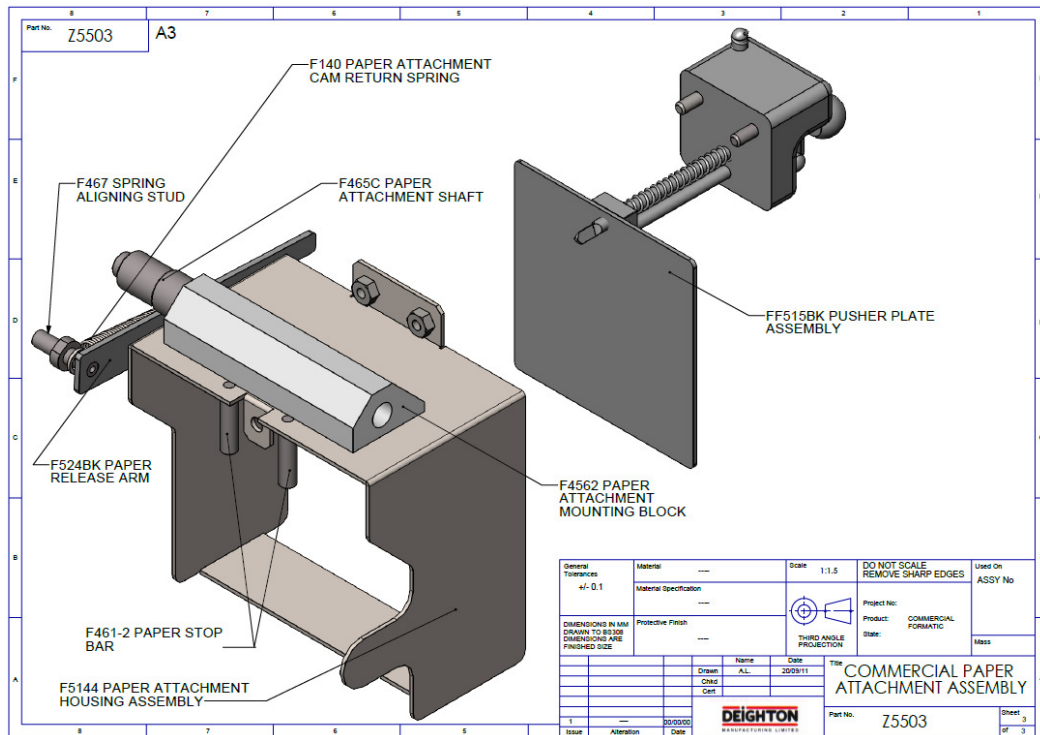
### PAPER ATTACHMENT LOADING



## Retail Paper Attachment



## Commercial Paper Attachment



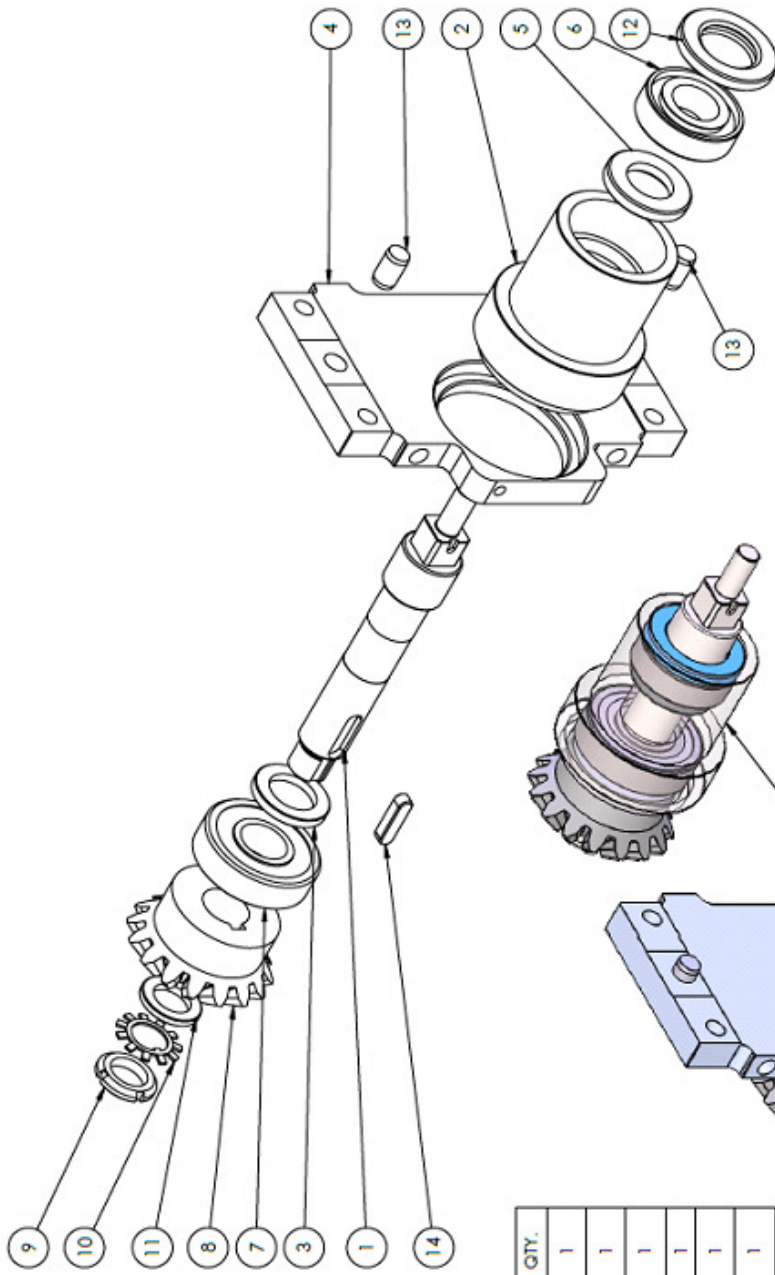
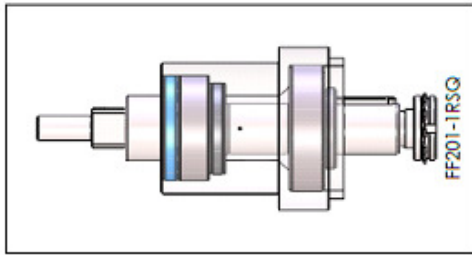
### **(9) RECOMMENDED SPARES LIST**

The Formatic machine and components do not normally need replacing if they are used in accordance with instructions.

Occasionally through processing a tough product, accidental damage, or loss several items are commonly requested.

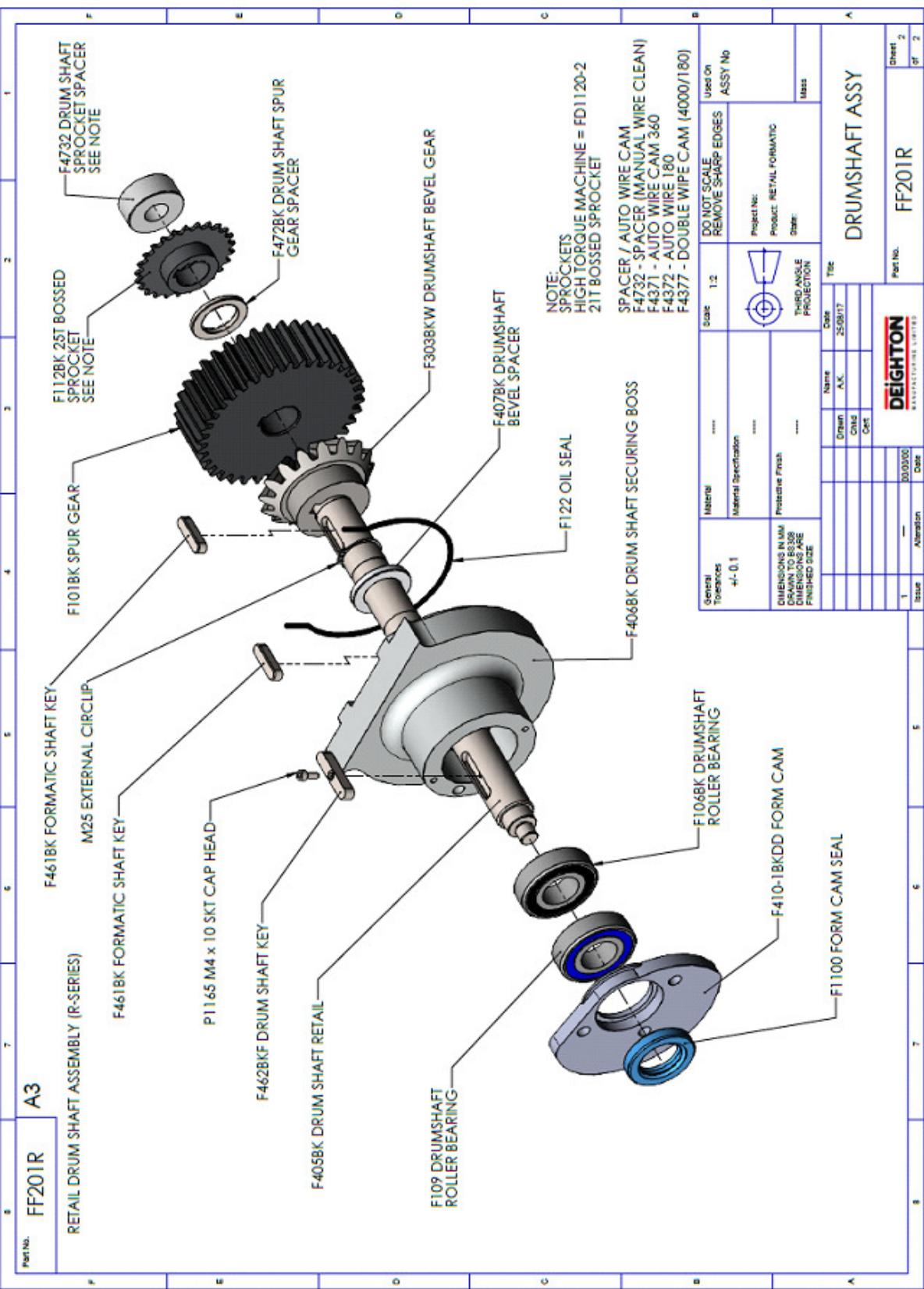
<u>Description</u>	<u>Part Number</u>
Hopper Seals - diameter 364mm	F117A
Hopper Securing Knob	F124
Drum Securing Knob	F129A
Paddle Securing Knob	F130B
Conveyor Securing Knob	F127
Scraper Wire (5m length)	F145
Scraper Arm (Manual & Auto)	F522-1X
Scraper Arm Bush Assemblies	
Auto Wire Clean	F4323
Manual Wire Clean	FF431
Conveyor Scraper Holder	F452
Conveyor Scraper Assemblies	
R-Series	F496BK
C-Series	F496C
Start Button Boot	F1004A
Elobau Control Unit	F1015A24V
Drive Chain (standard)	F124BK
Split Link (standard)	F115
Drum Sensor Limit Switch	F200A

Part No. **FF201-2RSQ** A3



ITEM NO.	PART NUMBER	QTY.
1	F420-1BK SQUARE PADDLE SHAFT	1
2	F420BK8 PADDLE SHAFT BOSS	1
3	F421BK PADDLE SHAFT BEVEL SPACER	1
4	F402B MAIN FRAME TIE	1
5	F110BK PADDLE SHAFT BRG SEAL	1
6	F108BK3 PADDLE SHAFT TOP BEARING	1
7	F109BK PADDLE SHAFT BOTTOM BRG	1
8	F204BKW PADDLE SHAFT BEVEL	1
9	F104BK NOTCH NUT KM4	1
10	F105BK MULTI TAG WASHER MB4	1
11	F423BK BEVEL LOCKNUT WASHER	1
12	F1141 PADDLE SHAFT SEAL 52 X 32 X 7	1
13	F402C TOP DOWEL PIN	2
14	F41BK FORMATIC SHAFT KEY STANDARD	1

General Tolerances +/- 0.1	Material Material Specification	Scale 1:5	DO NOT SCALE REMOVE SHARP EDGES	Used on ASSY No
DIMENSIONS IN MM DRAWN TO ISO30 UNLESS OTHERWISE FINISHED SIZE	Protective Finish	Project No: Product: Size:	Project No: Product: Size:	Notes
Issue 1	Alteration Date 30/03/00	Name A.L.	Date 19/05/15	Title PADDLE SHAFT SQUARE DRIVE
Part No. <b>FF201-2RSQ</b>		Sheet 1 of 1		



Part No. **FF201R**  
**A3**

RETAIL DRUM SHAFT ASSEMBLY (R-SERIES)

F4732 DRUM SHAFT SPROCKET SPACER  
SEE NOTE

F112BK 25T BOSSED SPROCKET  
SEE NOTE

F472BK DRUM SHAFT SPUR GEAR SPACER

F101BK SPUR GEAR

F3038KW DRUMSHAFT BEVEL GEAR

F407BK DRUMSHAFT BEVEL SPACER

F122 OIL SEAL

F406BK DRUM SHAFT SECURING BOSS

F109 DRUMSHAFT ROLLER BEARING

F106BK DRUMSHAFT ROLLER BEARING

F410-1BKDD FORM CAM

F1100 FORM CAM SEAL

F461BK FORMATIC SHAFT KEY  
M25 EXTERNAL CIRCLIP

F461BK FORMATIC SHAFT KEY

P1165 M4 x 10 SKT CAP HEAD

F442BK F DRUM SHAFT KEY

F405BK DRUM SHAFT RETAIL

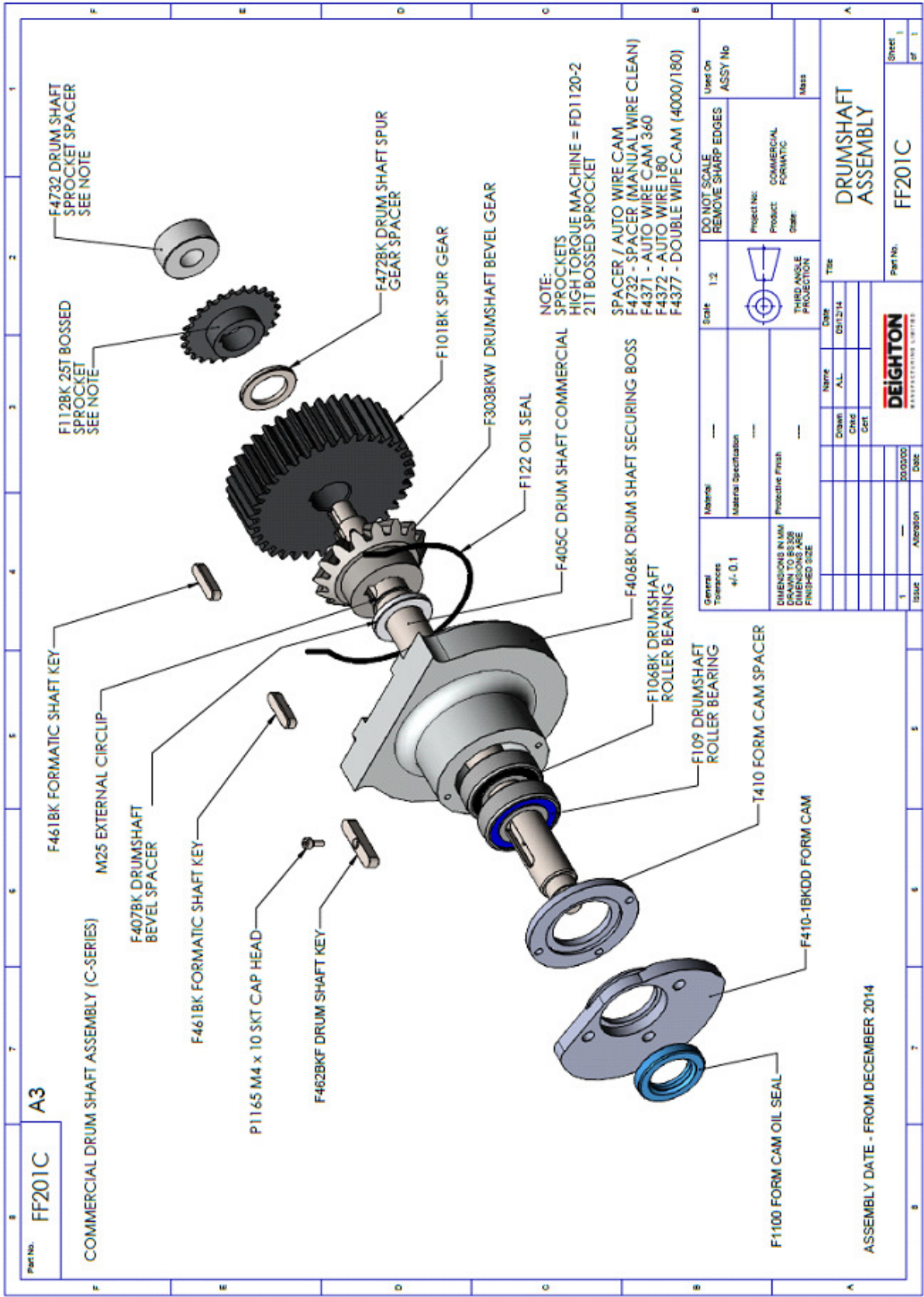
NOTE:  
 SPROCKETS  
 HIGH TORQUE MACHINE = FD1120-2  
 21T BOSSED SPROCKET

SPACER / AUTO WIRE CAM  
 F4732 - SPACER (MANUAL WIRE CLEAN)  
 F4371 - AUTO WIRE CAM 360  
 F4372 - AUTO WIRE 180  
 F4377 - DOUBLE WIPE CAM (4000/180)

General Tolerances	Material	Scale	Used on
±.0.1	Material Specification	1:2	DO NOT SCALE REMOVE SHARP EDGES
DIMENSIONS IN MM DRAWN TO BS308 UNLESS OTHERWISE FINISHED SIZE	Protective Finish	Project No.	Product: RETAIL-FORMATIC
		Third Angle Projection	State:
Issue	Alteration	Date	Title
1		25/08/17	DRUMSHAFT ASSY

Part No. **FF201R**  
 Sheet 2 of 2





Part No. **FF201C** **A3**

COMMERCIAL DRUM SHAFT ASSEMBLY (C-SERIES)

F112BK 25T BOSSED SPROCKET SEE NOTE

F461BK FORMATIC SHAFT KEY

M25 EXTERNAL CIRCLIP

F407BK DRUMSHAFT BEVEL SPACER

F461BK FORMATIC SHAFT KEY

P1165 M4 x 10 SKT CAP HEAD

F462BK DRUM SHAFT KEY

F4732 DRUM SHAFT SPROCKET SPACER SEE NOTE

F112BK 25T BOSSED SPROCKET SEE NOTE

F472BK DRUM SHAFT SPUR GEAR SPACER

F101BK SPUR GEAR

F3038KW DRUMSHAFT BEVEL GEAR

F122 OIL SEAL

F405C DRUM SHAFT COMMERCIAL

F406BK DRUM SHAFT SECURING BOSS

F106BK DRUMSHAFT ROLLER BEARING

F109 DRUMSHAFT ROLLER BEARING

T410 FORM CAM SPACER

F1100 FORM CAM OIL SEAL

F410-1BKDD FORM CAM

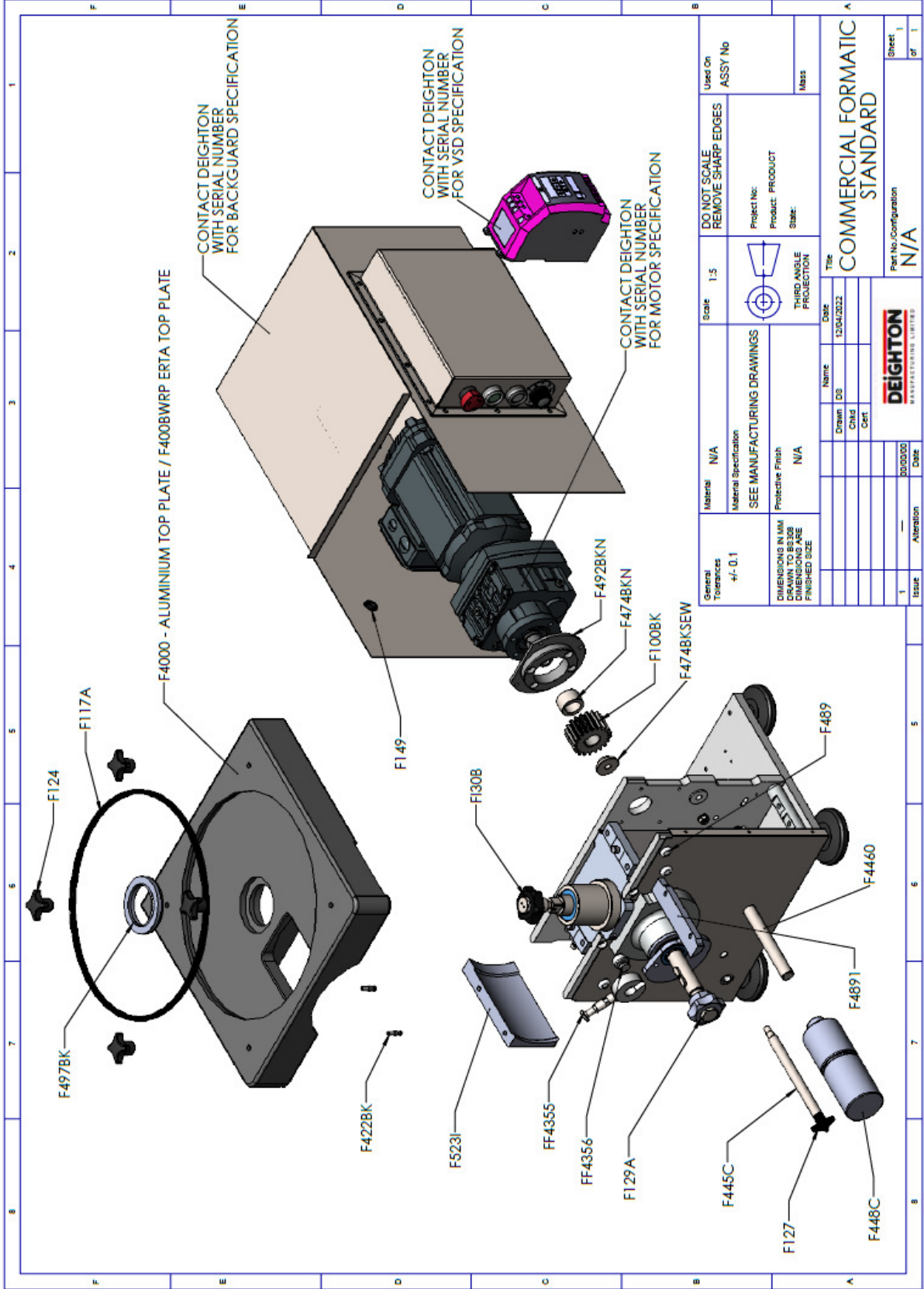
**NOTE:**  
 SPROCKETS HIGH TORQUE MACHINE = FD1120-2  
 21T BOSSED SPROCKET

SPACER / AUTO WIRE CAM  
 F4732 - SPACER (MANUAL WIRE CLEAN)  
 F4371 - AUTO WIRE CAM 360  
 F4372 - AUTO WIRE 180  
 F4377 - DOUBLE WIPE CAM (4000/180)

General Tolerances ±0.1	Material Specification	Scale 1:2	DO NOT SCALE REMOVE SHARP EDGES	Used On ASSY No
DIMENSIONS IN MM DIMENSIONS ARE FINISHED SIZE	Protective Finish	Project No. COMMERCIAL	Product FORMATIC	Mass
Check Date	Name ALL	Date 09/12/14	THIRD-ANGLE PROJECTION	
Issue Date	Revision Date	<b>DEIGHTON</b> PROFESSIONAL SERVICES		<b>DRUMSHAFT ASSEMBLY</b> Part No. <b>FF201C</b>
1	000000			Sheet 1 of 1

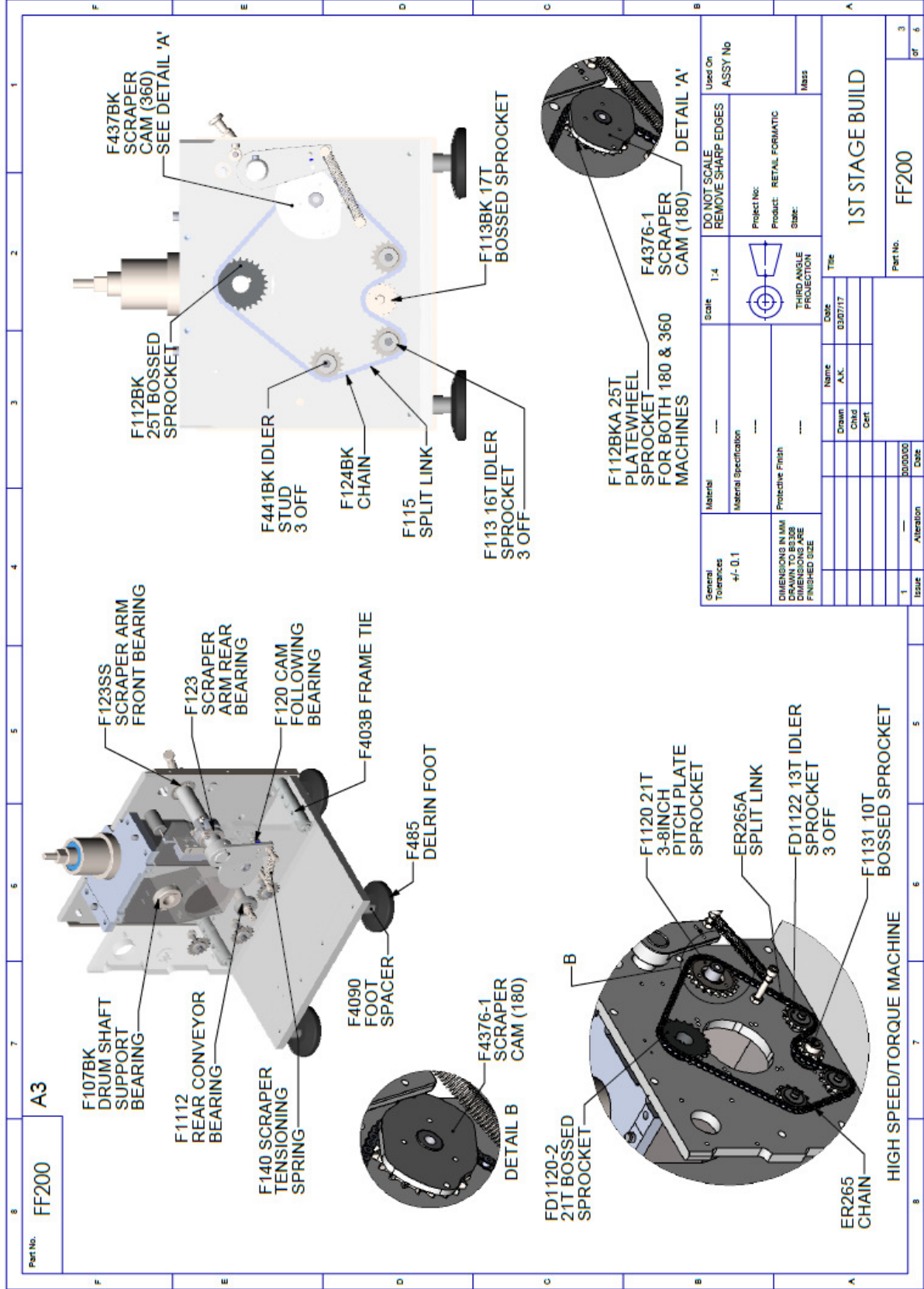
ASSEMBLY DATE - FROM DECEMBER 2014



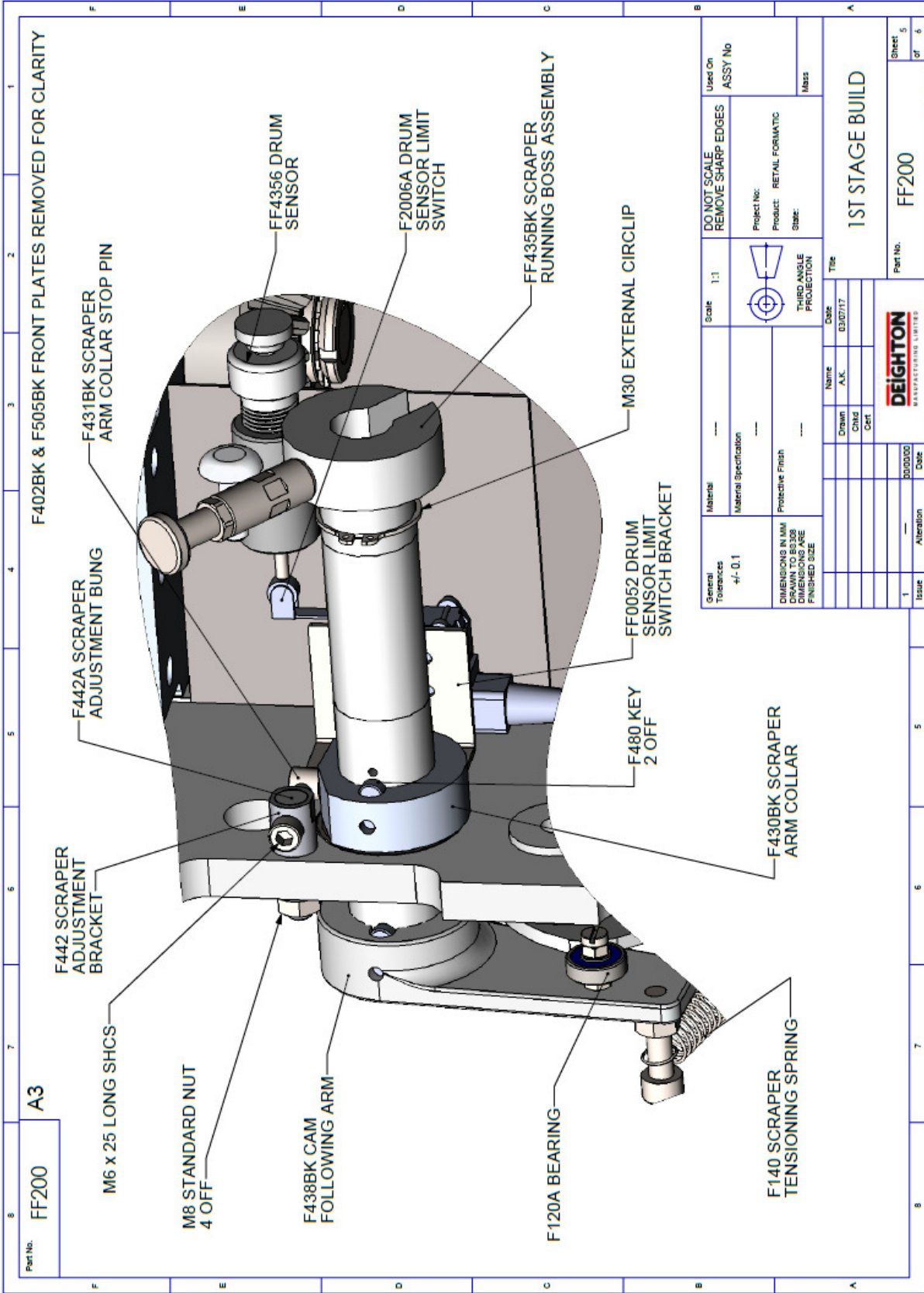


8 7 6 5 4 3 2 1

Material: N/A		Scale: 1:5	DO NOT SCALE REMOVE SHARP EDGES	Used On ASSY No
Material Specification SEE MANUFACTURING DRAWINGS			Project No: Product: PRODUCT Size:	Mass
Protective Finish N/A			THIRD ANGLE PROJECTION	
General Tolerances ±0.1				
DIMENSIONS IN MM UNLESS OTHERWISE DIMENSIONS ARE FINISHED SIZE				
Issue	Alteration	Date	Title	
1		30/03/00	COMMERCIAL FORMATIC STANDARD	
			Part No./Configuration N/A	
			Sheet of 1	



General Tolerances	Material	Scale	Used On
±0.1	Material Specification	1:4	DO NOT SCALE REMOVE SHARP EDGES ASSY No
DIMENSIONS IN MM DRAWN TO BS2878 UNLESS FINISHED SIZE	Protective Finish	THIRD ANGLE PROJECTION	Project No. RETAIL-FORMATIC
			Size:
			Mass
Issue	Alteration	Date	Title
1	000000		1ST STAGE BUILD
			Part No. FF200
			3 of 6



Part No. **FF200** **A3**

F402BK & F505BK FRONT PLATES REMOVED FOR CLARITY

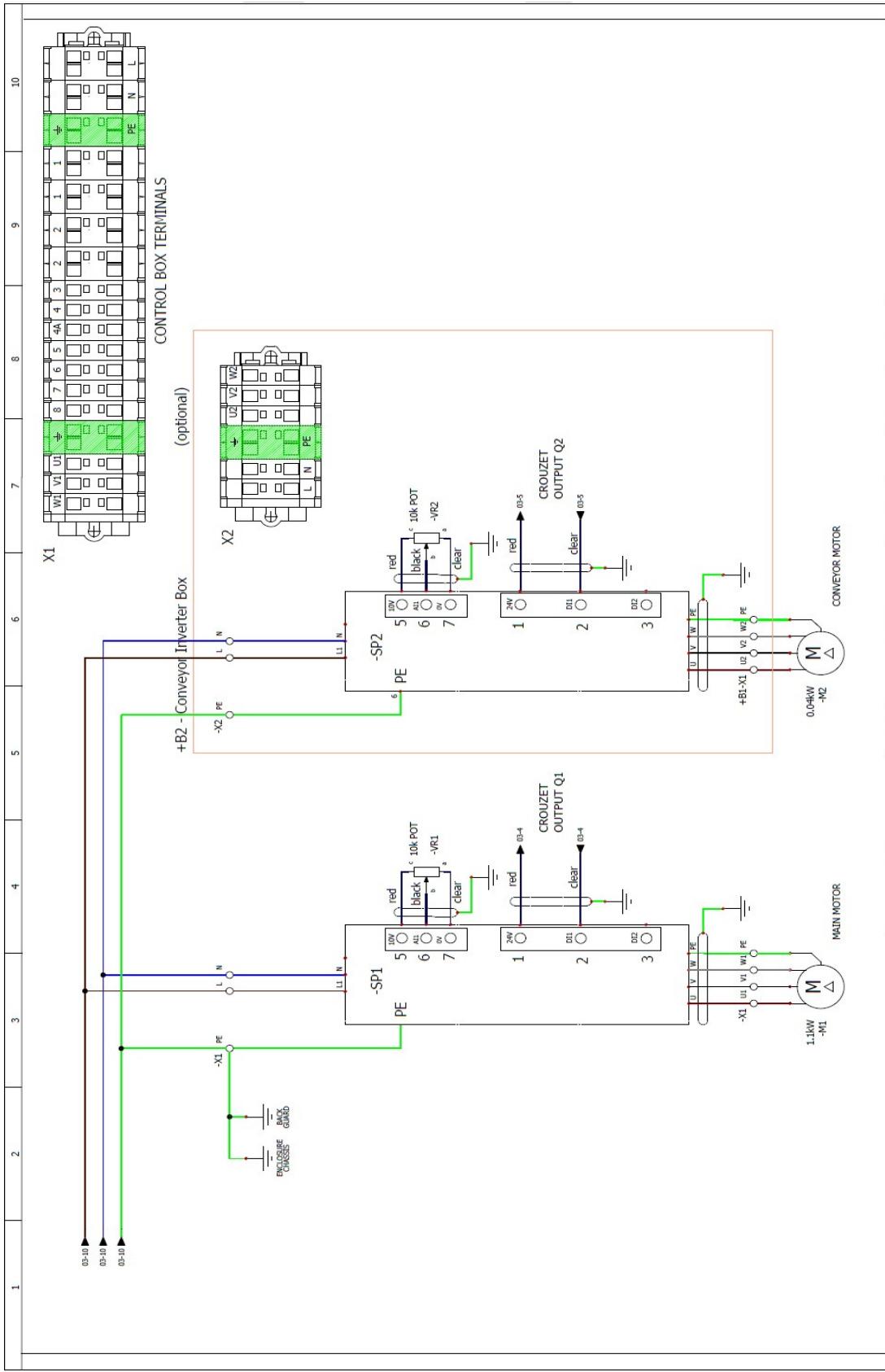
General Tolerances ±0.1	Material Material Specification	Scale 1:1	DO NOT SCALE REMOVE SHARP EDGES	Used On ASSY No
DIMENSIONS IN MM UNLESS OTHERWISE SPECIFIED FINISHED SIZE	Protective Finish	THIRD ANGLE PROJECTION	Project No: Product: RETAIL FORMATIC State:	Mass
Issue 1	Alteration Date 30/03/00	Name A.J.C.	Date 03/07/17	Title <b>1ST STAGE BUILD</b>
Part No. <b>FF200</b>	Part No. <b>FF200</b>	Sheet 5 of 6		Copyright Deighton Manufacturing











240V MAINS TO INVERTER 1.5mm TRITATED BROWN/BLUE  
 ALL OTHER WIRING 0.75mm TRITATED EXCEPT FOR  
 SCREENED CABLES.

NOTES	ISSUE	REVISION	DATE	NAME	DATE	TITLE
	0		07/11/2024		07/11/2024	INVERTERS

<p><b>DEIGHTON</b>          MANUFACTURING U.K. LIMITED</p>	<p>MACHINE FORMATIC 3000-4000 180, 240V 1 PHASE          DRAWING NO.</p>
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<p>07/11/2024</p>	<p>04</p>	<p>10</p>
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<p>07/11/2024</p>	<p>04</p>	<p>10</p>
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REF: EN 6182-1:2015

## EU Declaration of Conformity

In accordance with BS EN ISO/IEC 17050-1:2010

We, **Deighton Manufacturing UK Ltd**  
 Of **Gibson Street, Leeds Road, Bradford, West Yorkshire. BD3 9TR. UK.**  
 declare that:

Equipment Description: - \*\*\*\*\*

Serial number: - \*\*\*\*\*

In accordance with the following Directives:

2014/30/EU Conforms with the essential safety requirements of the Electromagnetic Compatibility Directive and its amending directives

Conforms with the essential safety requirements of the Electro Compatibility 2016

2006/42/EC Conforms with the essential safety requirements of the Machinery Directive and its amending directives

Conforms with the essential safety requirements of the Supply of Machinery (safety) Regulations 2008

EC 1935/2004 Conforms with the essential safety requirements of the materials and articles in contact with food

Has been designed and manufactured to the following specifications:

I hereby declare that the equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the Directives.

Has been designed and manufactured to the following amendments:

For 2014/30/EU & Electro Compatibility 2016	For 2006/42/EC & Supply of Machinery (safety) Regulations 2008	For EC 1935/2004
BS EN 61000-6-2:2019	BS EN ISO 12100 2010	BS EN 1186-3:2022
BS EN 61000-6-4:2019	BS EN 60204-1:2018	BS EN ISO 14159:2008
BS EN 55011:2016 + A2:2021	BS EN ISO 13849-1:2023	BS EN 1672-2:2020
	BS EN ISO 13857:2019	
	BS EN 15165:2014 (Formatic Only)	

I hereby declare that the equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The unit complies with all essential requirements of the Directives.

Signed by: Andrew Hamilton

Name: Andrew Hamilton  
 Position: Managing Director  
 Done at: Deighton Manufacturing UK Ltd, Gibson Street, Leeds Road, Bradford, West Yorkshire. BD3 9TR. UK.  
 On: [Click here to enter a date.](#)

