

Precast Concrete Equipment



Wall panels • Fence systems • Floor slabs

Equipment selection for farm boundaries, housing components and precast production yards.

South Africa • Kenya • Tanzania • Uganda • Nigeria

Vietnam • Thailand • Indonesia • Pakistan • United Arab Emirates

ISSAC INDUSTRY CO LTD

Industrial Equipment & Trade Solutions

No. 2804, Beihuan Road, Jinshui District, Zhengzhou, China

WhatsApp +86 173 29438411

www.issacindustryco.ltd

Choose Your Production Route

Start with the concrete component you intend to sell. Select the forming route, then size mixing, handling and curing around saleable output.

Finished product	Equipment route	References
Farm boundary walls	Fence panels and grooved posts	WP02 · BC01 · BC04
Partition walls	Straight panels and L or T joints	WP01 · WP03–WP07
Floors and roofs	Extrusion, moulding or slipforming	FS01–FS03 · BC03
Door and window lintels	Lintel forming and prestressing	BC05
Livestock slatted floors	Custom mould enquiry	Livestock solutions
Concrete supply	Batching, mixers and silos	MX01
Pipes and masonry	Pipe and block ranges	PC01 · BK01–BK06
Production support	Handling, cutting and testing	SP01–SP07

Plan a coordinated factory

Casting beds, anchorage where needed, materials, concrete delivery, curing, lifting and testing all affect usable output. Specify responsibility for each part of the plant.

How to read this catalogue

Codes are catalogue references, not new machine models. Values describe reference builds. Final tooling, motor, output, electricity and scope are agreed in a technical offer. Images illustrate equipment or finished products; the supplied build may differ.

Farm Boundary Wall Production



For South Africa, Kenya, Tanzania, Uganda and Nigeria, start with a matched panel and grooved post system. Set wall height and bay spacing before choosing machines.

Production task	Equipment selection
Form panels	WP02 fence panel machine
Form posts	BC01 or BC04 with matched grooves
Prepare and feed	MX01 mixer + SP06 vehicle
Prepare reinforcement	Pay off reel + selected SP02–SP04 tensioner
Finish and move	SP05 cutter + carts, clamps and lifting frame

Specify the complete wall

Provide panel dimensions, post section, groove, bay spacing, wall height and corners. The site design determines loads, reinforcement and foundations.

Plan for local production

Confirm electricity, aggregate grading, water, curing space and lifting access. Output depends on bed turnover and curing as well as forming speed.

Housing and Civil Components



For Vietnam, Thailand, Indonesia, Pakistan and the UAE, configure production around village walls, site enclosures and repeat housing components.

Application	Equipment focus
Village walls	Panels, matching posts and cutting
Housing partitions	WP01 with compatible WP06 and WP07 joints
Floors and roofs	FS01–FS03 with engineered reinforcement
Door and window openings	BC05 with approved lintel section
Site enclosures	Panels and posts with designed foundations

Match equipment to component duty

A wall panel extruder does not automatically produce a structural floor slab. Establish loads, span and reinforcement before choosing equipment.

Account for the site climate

Provide project location and working conditions. Plan mix trials, water control, curing protection and handling for the actual factory.

Equipment Specifications

WP01 Hollow Core Wall Panel Extruder



Forms hollow or solid partition panels on a prepared bed. Select tooling and mix for the intended wall system.

APPLICATION Interior partitions and infill walls for housing and commercial buildings.

Thickness	60 / 75 / 90 / 100 / 120 / 150 / 180 / 200 mm
Panel width	600 mm
Main drive	5.5–11 kW
Published vibrator	4 kW
Supply reference	380 V / 50 Hz

Confirm concrete mix, panel weight and installation detail. Product performance requires project testing.

WP02 Farm Fence Wall Panel Machine



Produces panels for grooved concrete posts. Select panel and post tooling as a matched fence system.

APPLICATION Farm boundaries and perimeter walls for South Africa, Kenya, Tanzania, Uganda and Nigeria.

Panel thickness	50 / 60 / 80 / 90 mm
Panel width	300 / 400 / 500 / 600 mm
TWT50×300 / 50×500	Two production lines per machine
TWT90×600	One or two lines by configuration
Length	Cut to requirement

Confirm groove, wall height, bay spacing, foundations and reinforcement design.

Equipment Specifications

WP03 Boundary Wall Panel Extruder



An extrusion route for selected boundary panels and partitions. The tooling determines the finished section.

APPLICATION Village walls, residential compounds and construction enclosures.

Published thickness family	60–200 mm
Panel width	600 mm
Profile	Hollow or solid by selected tooling
Process	Auger extrusion and vibration
Plant provision	Level beds and controlled curing

This web series has different motor and weight schedules from WP01. Confirm one specification for the chosen build.

WP04 Double Line Wall Panel Extruder



Forms parallel strips in one pass for repeated fence and partition sections.

APPLICATION Yards producing repeat narrow sections.

Section examples	90×295 / 90×(200+300) / 90×500 / 90×600 / 100×290 mm
Forming range	0.8–2.5 m/min
90×295 drive	5.5 kW main / 0.8 kW vibrator
90×(200+300) drive	5.5 kW main / 4 kW vibrator
Weight range	1,050–1,800 kg by model

Confirm whether width describes each strip or combined output. An approved tooling drawing governs selection.

Equipment Specifications

WP05 Double Row Hollow Panel Machine



Offers double layer and parallel row arrangements for selected hollow panel sections.

APPLICATION Expansion of a defined hollow panel product range.

Double layer depth examples	150 / 200 / 230 mm
Selected panel width	595 mm
Parallel row example	90 mm depth; 2 × 595 mm width
Forming range	1.2–2.0 m/min
150 / 200 drive	7.5 / 15 kW main; 1.1 kW vibrator

Double layer and parallel row are different configurations. Confirm geometry and handling requirements.

WP06 L Joint Wall Panel Extruder



Forms corner components for compatible wall panels. Specify both legs and the adjacent panel connection.

APPLICATION Corners in partitions and repeat housing layouts.

Nominal section family	90–200 mm Double L types
Forming range	0.8–2.5 m/min
Main drive	5.5–11 kW
Vibration	0.8–1.1 kW
Weight range	840–1,600 kg

Provide the dimensioned L profile and panel section. Dimensions vary across models.

Equipment Specifications

WP07 T Joint Wall Panel Extruder



Forms T junctions for matched partition systems. Select the profile around the connection detail.

APPLICATION Intersecting partitions in housing and commercial interiors.

T types	90T / 100T / 150T / 200T
Related L types	90L / 100L / 150L / 200L
Forming range	1.8–2.6 m/min
Main drive	5.5–7.5 kW
Section geometry	By approved drawing

The web width table contains inconsistent units. Width is omitted until the section drawing is confirmed.

BC01 H Column and Beam Extruder



Produces grooved H sections for compatible fence panels. Match groove geometry to the complete fence design.

APPLICATION Farm perimeter walls and boundary systems.

Section examples	150×150 / 180×220 / 180×230 mm
Panel pairing examples	50 / 75–80 / 90 mm respectively
Reference drive	5.5 kW main / 1.1 kW vibration
Forming range	1.2–2.0 m/min
Length	Cut to requirement

Confirm section dimensions by drawing rather than relying on web model codes.

Equipment Specifications

BC02 U Section Column Machine



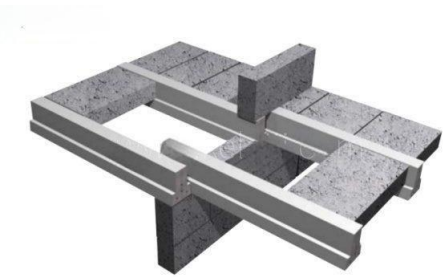
Forms shaped sections for designed post and beam applications. Tooling follows the finished component drawing.

APPLICATION Special precast sections and custom component programmes.

Published models	JQT26 / JQT23 / JQT90
Forming range	0.8–2.5 m/min
Main drive	4.0–7.5 kW
Vibration	0.8–1.1 kW
Weight range	600–850 kg

Some source section dimensions mix units. Confirm section geometry and reinforcement space by drawing.

BC03 Precast T Beam Making Machine



Produces T sections for engineered floor systems using bed preparation, reinforcement, forming, curing and cutting.

APPLICATION Beam and infill floor systems for housing and civil works.

Section	By approved beam drawing
Process	Vibration forming
Prestressing	Where required by component design
Companions	Mixer, feeder, tensioner and cutter
Power and output	Confirm for selected section

Specify span, loads, bearing detail and beam spacing. Machine specifications do not establish floor capacity. Image shows finished components.

Equipment Specifications

BC04 Concrete Fence Post Machine



Produces grooved posts supporting stacked panels. Coordinate straight, corner and junction post requirements.

APPLICATION Farm boundaries, compounds and village walls.

Section family	150×150 / 180×200 / 220×220 / 230×230 mm
150×150 example	Three or four posts formed together
220×220 example	Two posts formed together
Groove geometry	Matched to panel thickness
Length and reinforcement	Project specific

Photo illustrates a finished fence. Confirm groove count, corner tooling and actual machine layout.

BC05 Prestressed Concrete Lintel Machine



Forms lintel sections for door and window openings, matched to the masonry and bearing arrangement.

APPLICATION Residential construction and building component supply.

Product	Precast concrete lintels
Section and length	By approved drawing
Reinforcement	To the component design
Line scope	Forming, mixing, tensioning and cutting
Power and output	To be confirmed

The linked page has no complete numeric schedule. Request a section specific technical offer.

Equipment Specifications

FS01 Hollow Core Slab Extruder



Extrudes hollow floor sections along a casting bed. Coordinate forming equipment with the structural and prestressing design.

APPLICATION Engineered precast floors and roofs.

Thickness	90 / 120 / 150 / 180 / 200 mm
Width	600 mm
Main drive by thickness	5.5 / 7.5 / 11 / 11 / 15 kW
Vibrator by thickness	1.1 / 1.1 / 1.5 / 1.5 / 1.5 kW
Forming range	0.8–2.5 m/min

Forming speed excludes curing, cutting and handling. Confirm reinforcement, prestress and release strength.

FS02 Hollow Core Slab Moulding Machine



A driven mould frame with internal vibrating tubes forms selected hollow slab sections.

APPLICATION Repeat hollow core floor component production.

Thickness	120–300 mm
Width options	600 / 900 / 1,000 / 1,200 mm
Published length options	5,500–7,500 mm in selected increments
Drive	Winch and mould frame
Core forming	Internal vibrating tubes

Product length options are not certified load bearing spans. Confirm the engineered section and bed layout.

Equipment Specifications

FS03 Concrete Slab Slipformer



Forms selected slab widths through a pushing or slipforming route. Choose the complete bed and wire system with the machine.

APPLICATION Floors and roofs for locally engineered construction.

Section examples W×T	400×80 / 500×90 / 600×100 / 600×120 mm
Wide options	900×120 / 1,200×120 / 1,500×(80–120) mm
Deeper example	600×180 mm with internal vibration
Forming range	1.1–1.5 m/min by section
Cores	Number and diameter depend on tooling

The website uses overlapping process names. Confirm the actual forming method and finished section.

MX01 Concrete Batching Plant and JS Mixer



Combines aggregate batching, powder delivery, water dosing and mixing. Size the system around concrete demand.

APPLICATION Precast yards and civil construction concrete supply.

Mixer family	JS500 / 750 / 1000 / 1500 / 2000 / 3000
Discharge volume	500 / 750 / 1,000 / 1,500 / 2,000 / 3,000 L
Nominal plant output	25 / 35–37.5 / 50 / 75 / 100 / 150 m³/h
Main mixer drive	18.5 / 30 / 37 / 45 / 2×37 / 2×55 kW
Options	Bins, cement silos, screw conveyors and controls

Nominal plant output does not guarantee panel output. Confirm aggregate, mix and weighing scope.

Equipment Specifications

SP01 Wall Panel Installation Machine



Positions panels during installation. Choose clamp, lifting arrangement and footprint for the actual panel.

APPLICATION Interior installation and site handling.

Basic variants	Types 1–3: compact installation
Hydraulic variant	Type 4: lifting and rotation
Tall panel variant	Type 5: cable lift without rotation
Further variants	Types 6–9: forklift, clamps and positioning
Rated load and reach	Confirm together for selected model

Obtain the load chart. Model numbers alone do not establish safe load or reach.

SP02 Hydraulic Steel Wire Tensioner



Applies tension to compatible wire or strand using a matched hydraulic jack and grip system.

APPLICATION Prestressed slabs, beams, posts and panels.

Wire or strand reference	5–18 mm
Tension force reference	270 kN
Stroke options	200–500 mm
Configuration	Jack and pump set
Selection	Wire type, force and anchorage

Confirm grips and usable range. Ratings belong to this reference series only.

Equipment Specifications

SP03 Long Stroke Prestressing Tensioner



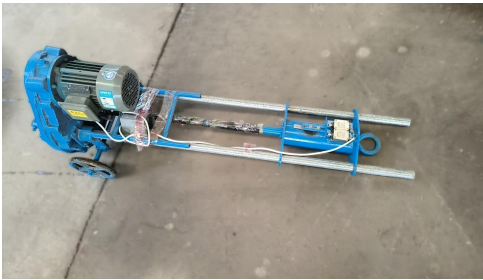
A hydraulic pump and long stroke cylinder for selected tensioning arrangements.

APPLICATION Precast production needing longer cylinder travel.

Pump pressure	15 MPa
Pump flow	1 L/min
Motor	1.5 kW
Cylinder diameter	63 mm
Stroke options	800 / 900 / 1,200 mm

The source identifies an 800 series. No verified tension force is given; do not substitute SP02 ratings.

SP04 Winch Type Steel Wire Tensioner



A winch system with spring force indication, controls and wire fixtures.

APPLICATION Wire prestressing for panels, beams, posts and slabs.

Wire range	2–6 mm
Assemblies	Winch, measuring unit, controls and grips
Force setting	Preset through measuring arrangement
Rated force	Confirm with calibration record
Duty	Compatible small and medium components

Pay off reels are separate. Confirm calibrated force, grips and bed anchorage.

Equipment Specifications

SP05 Concrete Panel and Slab Cutter



Cuts formed concrete to length. Match blade, support and cutting geometry to the component.

APPLICATION Wall panel, fence panel and floor slab finishing.

Blade diameter options	400 / 500 / 600 / 700 / 800 mm
Indicative thickness limits	Below 130 / 180 / 230 / 280 / 330 mm respectively
Reference width	600 mm; other widths by arrangement
Feed reference	Up to 1.5 m/min
Local Type 120 option	400 mm blade / 4 kW

Confirm usable depth with the actual guard and arbor. Wire release and cutting need an approved procedure.

SP06 Electric Concrete Feeding Dumper



Moves mixed concrete to the forming area. Check discharge height and travel route.

APPLICATION Transfer between mixer and casting beds.

Hopper	0.5 m ³
Drive / feeding motor	1.1 / 0.8 kW
Belt W×L	600 × 1,200 mm
Battery voltage	48 V
Charger input reference	110–240 V / 50–60 Hz

Source units for battery capacity and speed are unclear. Those values are excluded pending confirmation.

Equipment Specifications

SP07 Automatic Compression Tester



Tests concrete specimens for mix trials and production quality checks.

APPLICATION Mix trials, curing control and specimen testing.

Maximum force	2,000 kN
Published accuracy	Less than ±1%
Reference platen	260 × 300 mm; larger version listed
Reference power	2 kW / 380 V
Weight and dimensions	Confirm selected version

Source size and weight schedules conflict. Obtain one approved datasheet and confirm the test standard.

PC01 Concrete Pipe Making Equipment



Select concrete pipe equipment around pipe diameter, length, joint and reinforcement.

APPLICATION Drainage and civil works component production.

Dimensions	By drawing
Forming method	Confirm selected process
Tooling	Pipe moulds and joint profiles
Line scope	Mixing, reinforcement, handling and curing
Rated capacity	To be confirmed

The index gives a range overview. Pressure pipe suitability and ratings are not established.

Equipment Specifications

BK01 4 35 Concrete Block Machine



A compact option listed as model 4-35. Specify block size, cavities and output.

APPLICATION Masonry supply for housing and civil projects.

Product size	By mould drawing
Mould cavities	To be confirmed
Power and drive	Model specific; to be confirmed
Capacity and cycle	To be confirmed
Companions	Mixer, pallets, handling and curing as agreed

The index lacks a complete technical schedule. Confirm model identity and output. Listings may overlap.

BK02 Small Concrete Block Production Line



A compact concrete preparation and forming arrangement. Confirm pallets and curing.

APPLICATION Masonry supply for housing and civil projects.

Product size	By mould drawing
Mould cavities	To be confirmed
Power and drive	Model specific; to be confirmed
Capacity and cycle	To be confirmed
Companions	Mixer, pallets, handling and curing as agreed

The index lacks a complete technical schedule. Confirm model identity and output. Listings may overlap.

Equipment Specifications

BK03 Automatic Brick Production Line



An automatic masonry option. Confirm forming, pallet handling and stacking scope.

APPLICATION Masonry supply for housing and civil projects.

Product size	By mould drawing
Mould cavities	To be confirmed
Power and drive	Model specific; to be confirmed
Capacity and cycle	To be confirmed
Companions	Mixer, pallets, handling and curing as agreed

The index lacks a complete technical schedule. Confirm model identity and output. Listings may overlap.

BK04 Hydraulic Concrete Brick Line



A hydraulic forming option selected by mould and concrete mix.

APPLICATION Masonry supply for housing and civil projects.

Product size	By mould drawing
Mould cavities	To be confirmed
Power and drive	Model specific; to be confirmed
Capacity and cycle	To be confirmed
Companions	Mixer, pallets, handling and curing as agreed

The index lacks a complete technical schedule. Confirm model identity and output. Listings may overlap.

Equipment Specifications

BK05 Diesel Brick Making Machine



A diesel option. Confirm engine driven functions and auxiliary electricity demand.

APPLICATION Masonry supply for housing and civil projects.

Product size	By mould drawing
Mould cavities	To be confirmed
Power and drive	Model specific; to be confirmed
Capacity and cycle	To be confirmed
Companions	Mixer, pallets, handling and curing as agreed

The index lacks a complete technical schedule. Confirm model identity and output. Listings may overlap.

BK06 Cement Block Making Machine



A general block option selected by geometry, mix and required output.

APPLICATION Masonry supply for housing and civil projects.

Product size	By mould drawing
Mould cavities	To be confirmed
Power and drive	Model specific; to be confirmed
Capacity and cycle	To be confirmed
Companions	Mixer, pallets, handling and curing as agreed

The index lacks a complete technical schedule. Confirm model identity and output. Listings may overlap.

Local Wall Panel Line Options

The local lists record two wall panel builds. Keep these separate from the web series and order against one confirmed schedule.

Parameter	90 × 600 mm	150 × 600 mm
Main motor	5.5 kW	Unit to confirm ¹
Vibrator	3 kW	3 kW
Forming speed	100 m/h	80 m/h
Machine L×W×H	2.5 × 1.0 × 1.3 m	2.5 × 1.0 × 1.3 m
Weight	1.05 t	1.35 t

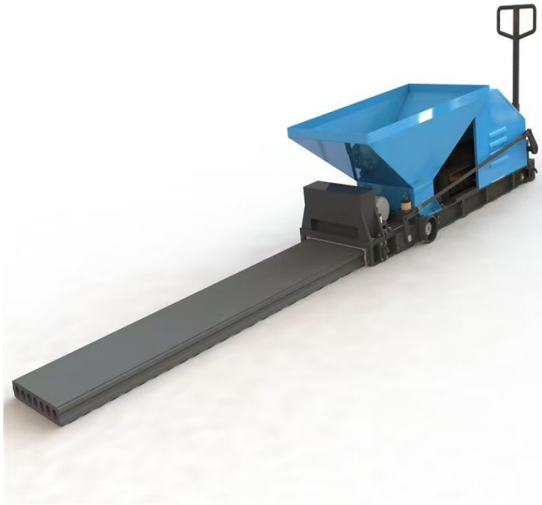
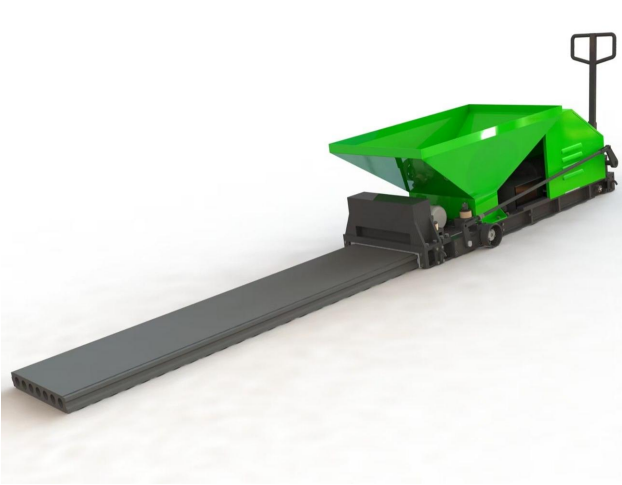
¹ The original entry states 7.5 W, which appears inconsistent with this machine class. Corrected units need supplier confirmation.

Local companion equipment

Component	Recorded configuration
PLD800 batching	Listed footprint 1.6 × 6 m
JS500 forced mixer	18.5 kW main; listed lifting power 5.5 kW
Electric feeding vehicle	48 V; two 1.5 kW motors; 0.7 t
Type 120 cutter	400 mm blade; 4 kW; 0.15 t
Type 180 cutter	500 mm blade; motor unit to confirm; 0.25 t
Wire pay off reel	1.1 × 1.1 × 1.0 m; 45 kg
Board lifting cart	65 kg listed; dimensions to confirm

Prices and quantities are excluded. The two spreadsheets repeat the same equipment entries and are not independent validations.

Local Floor Slab Line Option



A previous local offer describes a 90 × 600 mm floor slab build. Keep it separate from the wall panel builds and wider web slab series.

Parameter	Previous local offer
Slab section	90 × 600 mm
Main motor	Approximately 5.5 kW
Vibrator	Approximately 1.5 kW
Forming speed	1.3–1.5 m/min
Cores	Seven round cores, diameter 58 mm
Weight	Approximately 950 kg

Confirm one line configuration

The older offer pairs the former with a cutter, feeding cart, lifting cart and mixer. Its mixer differs from the JS500 spreadsheet build. Confirm the selected equipment list.

Specify design loads, reinforcement, release strength and lifting points. Current price, packing, lead time, warranty and installation are supplied in a new offer.

Livestock Slatted Floor Moulds

Open livestock slats are a distinct product from closed hollow core slabs. A hollow core slab extruder should not be assumed to produce slatted floors.

Define the animal and floor system

Provide animal type and age, slab size, span, load, slat and opening width, edges and manure handling method.

Design input	Information required
Product drawing	Length, width, depth, ribs and lifting points
Openings	Slot width, shape, spacing and open area
Animal suitability	Species, weight range and hoof contact
Structural duty	Span, support and design load
Mould	Material, cavities and stripping direction
Production	Mixing, vibration, demoulding and curing
Acceptance	Dimensions and agreed strength tests

Supply status

The reviewed files and linked web pages do not establish a verified slatted floor mould model, capacity, price or drawing. This is an enquiry route for a custom solution. Feasibility and supply scope require confirmation.

Suggested enquiry description

Concrete slatted floor mould for pig or cattle farms, with drawing, slot dimensions, intended span and target daily output.

Complete Line and Supporting Tools

Stage	Equipment or provision
Prepare	Aggregate bins, batching, cement silo and screw conveyor
Mix	Forced mixer or selected JS plant
Feed	Electric dumper or agreed delivery system
Reinforce	Pay off reel, grips, anchorage and calibrated tensioner
Form	Panel, post, beam, slab or mould system
Cure and release	Protected curing and verified release strength
Cut and handle	Cutter, lifting carts, frames and clamps
Install	Installation machine and matching clamp
Verify	Concrete testing and dimensional checks

Further profiles and accessories

L and V post or beam profiles, pillars and custom sections are listed as shape options. They require drawings and are not verified standalone models. Lifting carts, panel frames, lifting clamps and wire pay off reels complement the main machines.

Prepare the layout before ordering

Confirm bed lengths and quantity, lanes, storage, electricity, drainage, lifting and curing. Define responsibility for casting bed civil works and anchorage.

Specify support in the offer

Request an equipment list, layout, utilities, manuals, commissioning, training and spare parts schedule. Agree which services and tools are included.

Send Your Project Requirements

Send a drawing or photos of the product you want to make. Include these details for selection and pricing.

Project field	Your requirement
Company and contact	_____
Country and destination port	_____
Finished product and drawing	_____
Section and length	_____
Saleable output per shift	_____
Hours and shifts	_____
Available concrete materials	_____
Voltage frequency and phases	_____
Site and casting beds	_____
Handling and installation	_____
Required delivery date	_____

ISSAC INDUSTRY CO LTD

Industrial Equipment & Trade Solutions
No. 2804, Beihuan Road, Jinshui District, Zhengzhou, China
WhatsApp +86 173 29438411
www.issacindustryco.ltd

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