

Permit No. V25-117

Permit Fee: Waived - DPW

APPLICATION FOR TEMPORARY MOTOR VEHICLE PERMIT

CONDITIONS OF ALL MOTOR VEHICLE PERMITS ARE SUBJECT TO CHANGE

Applicant Name: Bacco Construction Co Contact Name: Kevin Schiavo

Address: PO Box 458 City: Iron Mountain State: MI

Zip: 49801 Phone: 906-774-2616 Email: kschiavo@baccocc.com

Work Site: East end of the Mackinac Island Airport

Reason Vehicle is Needed: Crushing aggregate - For DPW WWTP

Explanation of why the work cannot be reasonably performed, accommodated, or accomplished by a horse drawn dray (documentation & photos of equipment & materials may be required): Mobile Crushing plant weighs 117,000 lbs. It displaces the weight on a set of street pads. See attached Data Sheet.

Vehicle Description: <u>Terex-Finlay</u>	<u>I-120RS Impact Crusher</u>
Make	Model/Description

Proposed Starting & Ending Date: May 2025 thru July 2025 Total Days of Usage: 60

Overnight Parking Location: East End of the Airport

Boat Line & Dock: Arnold Line to British Landing

Proposed Travel Route: From British Landing up the State Road to the West End of the Airport

The submittal of this application does not imply approval from the City of Mackinac Island. Approved permits are based on the information provided on the application. Any use or purpose which is contrary to approved uses and purposes or violation of any other local ordinances or state law constitutes a violation of permits conditions and will be punishable as a civil infraction and revocation of the permit.

Applicants Signature: Kevin Schiavo Digitally signed by Kevin Schiavo Date: 2025.04.15 13:33:43 -05'00' Date: 4/15/2025

Applications will not be submitted to City Council for approval until the fee has been received.

Please visit: www.cityofmi.org for council meeting dates & times

Mailing address & Payments made to: City of Mackinac Island, P. O. Box 455, Mackinac Island, MI, 49757

Phone: 906-847-3702

Fax: 906-847-6430

Email: clerk@cityofmi.org

City Use: Application Received: 4/17/2025 Fee Received: Ck #:

Date of Action on Application: 4/30/25 Approved: ☐ Denied: ☐ By: Council

Comments:

I-120RS

IMPACT CRUSHER



Inlet Opening:	Ø1033mm x 1100mm (Ø41" x 44")	
Net Engine Power:	Tier 3/Stage IIIA:	Caterpillar C9 ACERT 280kW (375hp)
	Tier 4F /Stage IV:	Scania DC9 294kW (400hp)
	Stage V:	Scania DC9 294kW (400hp)
Portability:	Tracked	
Operating Weight:	53,529kg (118,011lbs) (Prescreen, Hopper Extensions, Dirt Conveyor & Heavy Duty Magnet) (Note this is with single transfer option)	

STRONG HERITAGE, STRONG FUTURE

 **FINLAY**[®]
A TEREX BRAND

I-120RS

IMPACT CRUSHER

VGf HOPPER/FEEDER

VGf Hopper capacity: 5m³ (6.5 yd³)

Feed In Height: 3.4m (11' 2")

VGf Hopper capacity - With Ext: 8m³ (10.4 yd³) 3.4m (11' 2") rear feed width with hydraulic folding hopper extensions (optional)

VGf Hopper Fixed - Pre-screen Hopper Folding & Locking

8mm wear resistant side walls

Vibrating grizzly feeder with integrated pre-screen- standard

Grizzly length 2.19m (7' 2")

Selectable discharge to dirt conveyor (all pre-screened material) or main conveyor

INDEPENDENT HYDRAULIC PRE-SCREEN (OPTIONAL)

1,000mm (40") wide x 2,000mm (79") effective screening length

9° working angle

Mesh and Punch Plate option

IMPACT CHAMBER

Rotor diameter: Ø1033mm (41")

Rotor width: 1100mm (44")

VGf Inlet opening: 1130mm x 800mm (45" x 32")

Prescreen Inlet opening: 1130mm x 800mm (45" x 32")

Tier 3 Rotor speed is 669 – 827rpm with the large pulley (standard)

Tier 3 Rotor speed is 595 – 735rpm with the optional smaller pulley

Tier 4 Rotor speed is 666 – 843rpm with the large pulley (standard)

Tier 4 Rotor speed is 591 – 748rpm with the optional smaller pulley

Direct drive via 'V' belts

Twin Apron

Primary Apron Minimum setting: 50mm (2")

Secondary Apron Maximum setting: 75mm (3")

Secondary Apron Minimum setting: 18mm (3/4")

Hydraulic hood open

4 Bar rotor standard- 2 high/2 low

Full Hydraulic adjust apron setting & overload protection

Manual raise inlet flap: standard

Hydraulically assisted Grinding path (optional)

2nd Apron auto adjust (optional)

MAIN CONVEYOR

Belt Width: 1.1m (44")

Discharge Height: 3.5m (11' 5")

High spec scraper at head drum

Dust suppression standard

Low level greasing standard

Hydraulic lowering for transport

Full length belt standard

2/3 length main conveyor and vibratory undercrusher feeder with wear resistant liners (option)

Snag free tunnelling

Stockpile Capacity: 63.8m³ (83.4yd³)



Hopper



Impact Chamber



Main Conveyor

POWERPACK

Tier 3 / Stage IIIA: Caterpillar C9 Acert
 Engine Power: 280kW (375hp)
 Engine Speed: 1700-2100 rpm

Tier 4F / Stage IV: Scania DC9
 Engine Power: 294kW (400hp)
 Engine Speed: 1500-1900 rpm

Stage V: Scania DC09
 Engine Power: 294kW (400hp)
 Engine Speed: 1500-1900 rpm

TANK CAPACITIES

Hydraulic Tank: 700 litres

Fuel Tank: 720 litres

RS COMPONENT

RS Screen: 3.66m x 1.53m (12' x 5') 2 deck

Single transfer for both decks into re-circ conveyor standard

Quick detach screen unit

Fines conveyor: 1.4m (55") wide

Discharge: 3m (9' 10")

Transfer conveyor: 500mm (20")

Re-circulating conveyor: 500mm (20")

Screen Angle: Fixed

Mid-grade transfer conveyor optional

Stockpile Capacity: 40.2m³ (52.6yd³)

BY-PASS CONVEYOR (OPTIONAL)

Belt Width: 650mm (26")

Max achievable discharge height target approx. 2.5m

Low level greasing

High spec scraper at head drum

Stockpile capacity: 18.1m³ (23.7yd³)

LHS discharge is standard

MAGNETIC SEPARATOR (OPTIONAL)

Suspended self cleaning crossbelt overband magnet

Permanent magnet

Twin pole Version

Heavy duty version also available

RHS discharge only

Hydraulic raise / lower

MID-GRADE STOCKPILING CONVEYOR (OPTIONAL)

Belt Width: 650mm (26")

Discharge Height: 1.9m (6' 3")

Drum centres: 3m (9' 10")

Conveyor manually lifted on/off for transport



Scania Engine



Cat Engine



By-pass Conveyor



Magnetic Separator



Mid-Grade Stockpiling Conveyor (Option)

I-120RS

IMPACT CRUSHER

UNDERCARRIAGE

Bolt on tracks

Shoe Width: 400mm (16")

Sprocket Centres: 3.78m (12' 5")

Dual tracking speed with 'soft start'

Up to 30° gradient capability

TOOL BOX

Mounted lockable toolbox

Tool Kit and flogging spanners

Grease gun

CHUTES

Heavy Duty chute with bolt-up construction

By-pass chute with selectable discharge flop gate, to either by-pass conveyor or main conveyor

CONTROL SYSTEM

Advanced CANBUS compliant system Large display screen (IP67 Rated)

Five simple operating modes with menu driven graphic user interface:

- Track mode: For moving machine
- Manual mode: For manually starting machine
- Automatic mode: For automatically starting the machine in predetermined sequence
- Configuration mode: For testing/setting individual components
- Language selection: For setting languages

Detachable doglead control for tracking

Radio remote control (optional)

Engine control/monitoring panel

Lockable compartment

Emergency stops: 6 off

PLATFORMS

Galvanised catwalks and ladders for full maintenance and service access

Catwalks on both sides of machine

Compact folding for transport

REMOTE CONTROL UNIT (OPTIONAL)

Full function radio remote unit

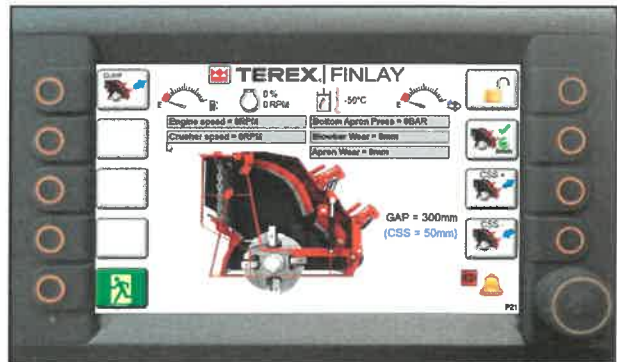
Machine can be switched from crushing mode into track mode, moved and switched back to operating mode from remote control unit

Feeder stop / start

Controls all folding function of RS section in addition to tracking and crushing mode



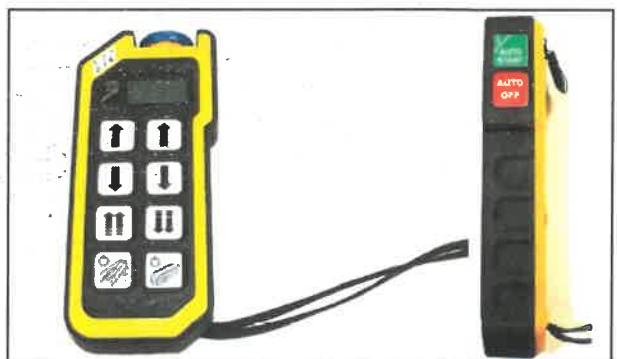
Control Panel



Control Panel

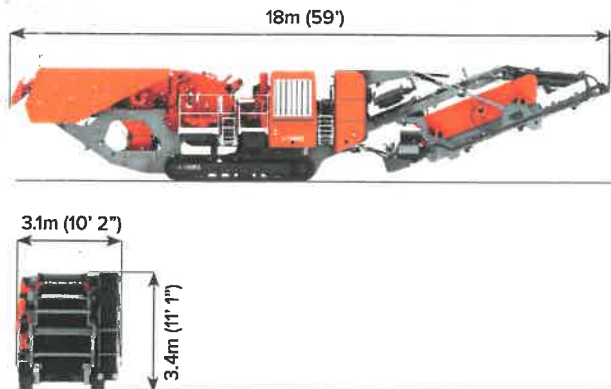


Platforms

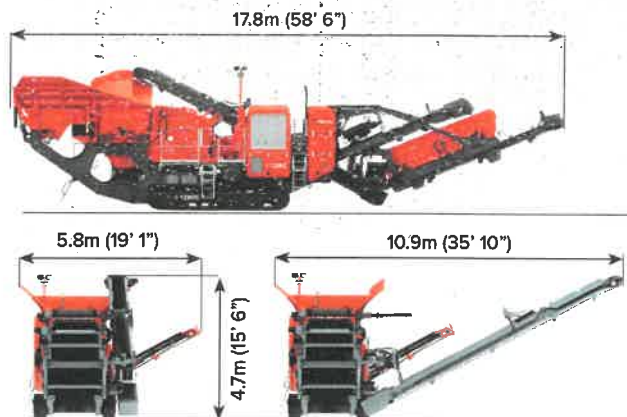


Remote Control Unit Standard

TRANSPORT DIMENSIONS



WORKING DIMENSION



MACHINE WEIGHT: 53,529kg (118,011lbs)
(Prescreen, Hopper Extensions, Dirt Conveyor
& Heavy Duty Magnet)
(Note this is with single transfer option)



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Created in 2022

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