



DEFINITION OF RECYCLING

AWARD WINNER COMPANY



Plastic
Recycle
Must

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PLASTICS
RECYCLING MACHINES

Dust Remover With Cutting System

SPECIFICATION

- It's a Newly Developed Machine.
- Separate Dust From Dirty Waste With Cutting System



Optional Conveyor Belt

Model No.	H.P.	Capacity Kgs/hr
DDR-42	15	150 to 200
DDR-48	25	400 to 500

*Capacity Depend on Material & Feeding System

Roller Dust Remover

SPECIFICATION

- Dirty Film Waste Cleaning with newly Develop 5 Roller with Cutting System
- Dust Particle Separate From Below Screen.



Model No.	H.P.	Capacity Kgs/hr
RDR-15	15	125 to 150
RDR-25	25	250 to 350

*Capacity Depend on Material & Feeding System

SPECIFICATION

- It's separate Dirty water from plastic waste
- Washed material quality is next to virgin
- Ele.Power, labour & Space Saver Machine

Model	H.P.	Water Pump (H.P.)	Kgs/hr Inj./Blow/Mold.	Kgs/hr Film
PW-30	30	1.5	200 to 300	100 to 125
PW-60	60	2	400 to 500	200 to 300

*Capacity Depend on Material & Feeding System



Before Wash



After Wash

Pressure Washing Machine



Grinder/Granulator

SPECIFICATION

- Heavy Duty Grinder
- Made From M. S. Material
- Suitable for injection / blow moulding Articles, Films, PVC/HDPE pipe, PET bottle, Jerrican. PVC profile, Hips Sheet, Bucket Scrap etc.



Cyclone optional



Option : Wet Grinder Also Available

Model No. DPG	Power H.P.	Throat Size	No.of Blade
0300	7.5	300 X 300 mm	5
0450	15	450 X 450 mm	5
0600	25	600 X 600 mm	5
0750	50	750 X 750 mm	5
0900	60	900 X 900 mm	5
1200	100	1200 X 1200 mm	5

*Capacity Depend on Material & Feeding System



Heavy Lumps Grinder/Granulator



1 Step



SPECIFICATION

- Special Blades & Rotor design for Heavy Lumps to Small grinded materials in a one step.

Model	Power H.P.	Working Size	Production kgs/hr
S-21"	40	520 mm	200 to 300
S-30"	60	805 mm	300 to 500

*Capacity Depend on Material & Feeding System

Force Pusher Technology Extruder Without Agglomerator & Without Grinder For Film Waste Directly Feeding.

NEW



4

Model No.	H.P. Extruder	H.P. Force Pusher	Total Power H.P.	Output Kgs/hr.
FP 130 X 100	50	15	100	150 to 175
FP 160 X 130	75	25	150	250 to 275

*Capacity Depend on Material & Feeding System

Specification :

- Most Advantage of This Machine is No Need to Crush or Densifire (Agglo) for Film Waste for Feeding Material In Extruder Inlet.
- There is Special Force Pusher Technology for Feeding Material in Extruder.
- It's Energy (Ele. Power) & Man Power Saving.
- Material is not Heating Double Time (Like as Agglo & Extruder.)

Squeezing Cum Densifier Machine

Problems.....?

- Drying Problem in Monsoon...?
- Dust is Deposited on the Washed Material...?
- It needs lots of space for drying...?
- Around 6 Persons are required for handling the waste of nearly 3 MT...?
- Around 5% of Material is lost due to manual handling...?

Here is the Solution...

Suitable for PE Film (Grinded material)
Moisture 2% to 3% Only.

Model No.	Main Motor H.P.	Out put Kgs/hr
SD-40	40	100 to 125
SD-60	60	150 to 225
SD-90	90	250 to 400

*Capacity Depend on Material & Feeding System

Benifits :

- Only One Person Instead of 5 labour
- 3' x 6' Space & Mini.3 MT/day Drying
- Space Saving & Easy to Operate
- Drying Possible day/night and very help full in a Monsoon season.
- Water Separate with Squeezing System
- Material is Semi melt through one Heater & You can get densifier Materials (No need agglo after Drying Material)



Hot Melt EPS Compactor

It's 85% to 90%
Compact Material

Model No.	Main Motor H.P.	Crushes HP	Heater KW	Out put Kgs/hr
HMEPS-20	20	5	6	100 to 125
HMEPS-40	40	7.5	10	200 to 250

*Capacity Depend on Material & Feeding System



Agglomerator (Densifier)



Agglomerator Design
Regd. No. 229337 Date : 17-05-2010

SPECIFICATION

- Agglomerator for recycling
- New type of agglo which Separate Dust from Waste (Rafia Model Only)
- Run with only 4 Blades
- Once Grinded Blade can be used twice
Foundation is not Necessary
- 100% Guarantee of HD/PP Rafia Model
70 to 80 Kgs/hr-024 Model
- Maintenance Free



018 Zero Wastage Model 10 to 12.5 HP
For HM, D-Cut Zabhala,
LD Foam, Film & PP Film

Model No.	Ele.Motor HP	Capacity Kgs/hr	
		LD	HM/HD/PP
018	10	40	25
024	25	100	60
030	50	200	130
036	75	280	180
042	100	400	250
045	120	500	350
048	180	800	550

*Capacity Depend on Material & Feeding System



Agglomerated Materials

Pulveriser



Vibrator Screen is Optional

Suitable for LD/LLD/HD/PVC Material

Application

- Rotational Moulding.
- Polyethylene Coatings.
- R.PVC Pipe Scrap Pulverizing.

Model	H.P.	Disc Dia	Out put HD/LD 10 MESH
PVR-0300	20	300 mm	60 to 70 kgs/hr
PVR-0450	30	450 mm	100 to 120 kgs/hr

*Capacity Depend on Material & Feeding System

PULVERIZING SYSTEM FOR MICROFINE POWDER

In Line Grind-O-Wash - Dry & Densifier

NEW

1. Grinder
 2. Friction Washer
 3. Squeezer
 4. Heater
 5. Cutter
- } All In One



Before Wash



After Wash



Dry & Densifier

Note : Squeezer is individual operate in some material

Model	H.P.	Washing screw HP	Squiz HP	Product Kgs/hr
GWSD-24	30	15	60	150 to 200
GWSD-32	40	30	90	200 to 300
GWSD-40	60	40	125	300 to 400

*Capacity Depend on Material & Feeding System

SPECIFICATION

- Inline Wet Grinder, Washer, Dryer & Densifier Material (No need aggro after drying)
- Very Economical way to Grind with water, screw washing & Squeezing Drying system
- Space & Power Savings System



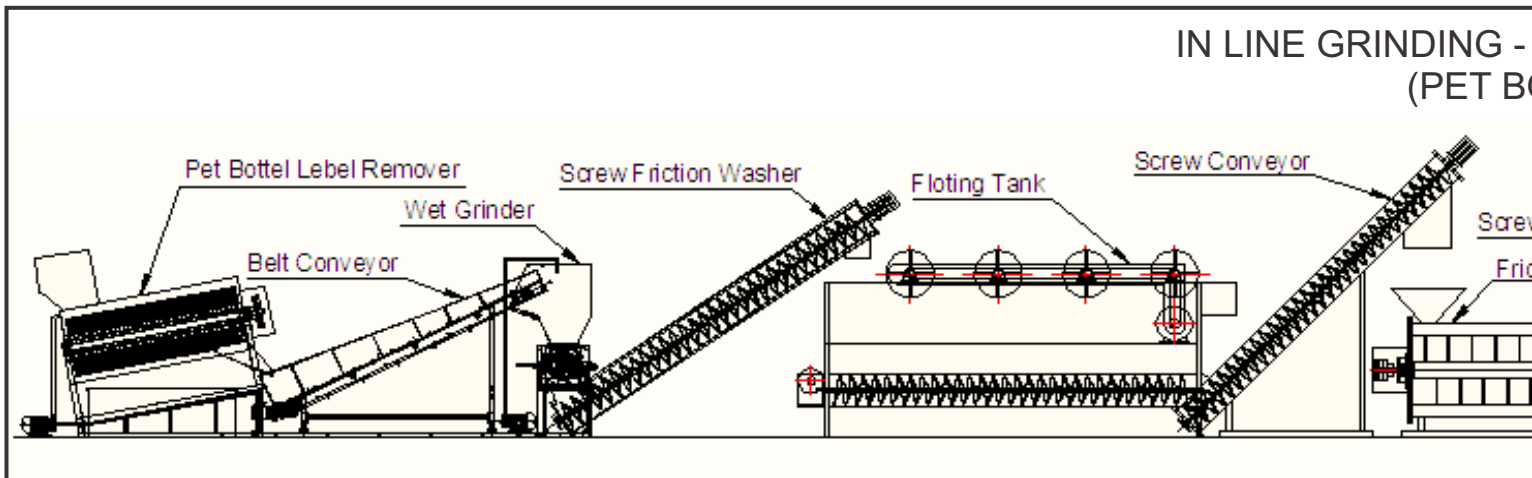
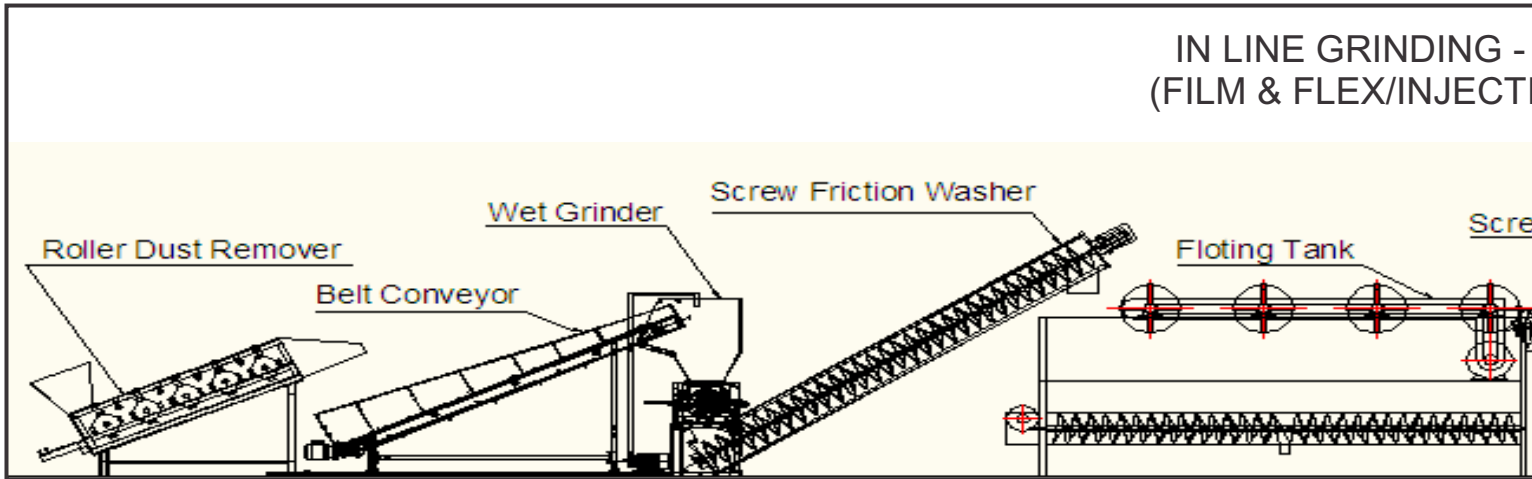
Bailing Press



Mechanical Purifier



Floating Tank





Tank

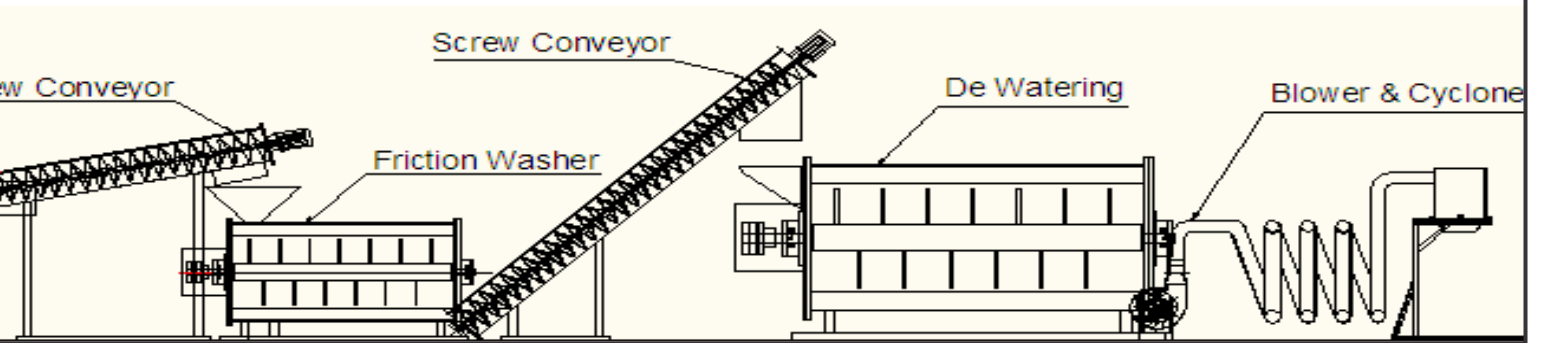


Screw Conveyor

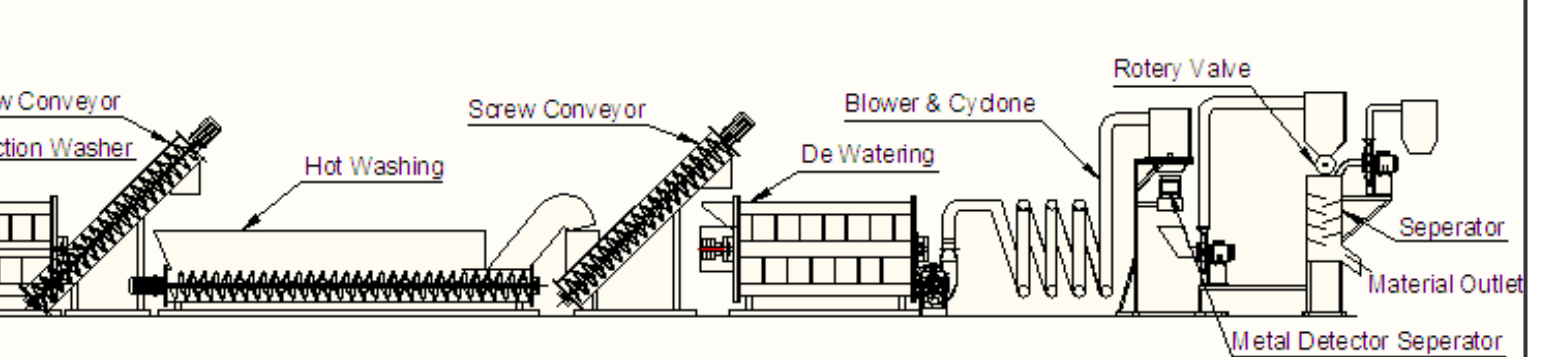


Batch Dryer

WASHING - DRYING
(NON/BLOW ARTICLES)



WASHING - DRYING
(BOTTLE)



Inline Grinding - Washing - Drying System



SPECIFICATION

- Inline Grinding, Washing & Drying System is Developed to clean PE/PP bottle/Film Waste /Packaging Material / Agriculture Film waste / Injection Blow Item for Super Quality Washing



Before Wash

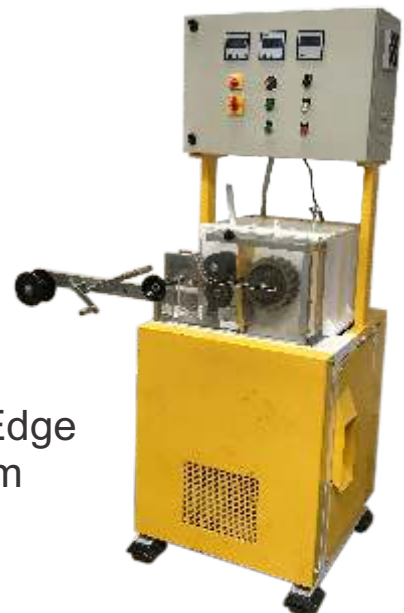


After Wash

Edge Trim Recycling Mini Extruder



Edge Trim Cutter



It's Easy to Recycle Edge Trim Online System

Dewatering Machine

SPECIFICATION

- Suitable for all type of Grinded Plastic Film & Article (Moulded)
- Result 90% to 95% Dry



Model	H.P.	BLOWER H.P.	Kgs/hr (flex) Inj./blow/mold.	Kgs/hr Film
DW 20	25	5	150 to 200	100 to 125
DW 40	40	7.5	350 to 400	200 to 250
DW 60	60	10	500 to 600	300 to 400

*Capacity Depend on Material & Feeding System

PET Bottle Label Remover Machine

SPECIFICATION

- All Parts Mild Steel (M.S.)
- It's Continuous process
- Pressed Bottle label Remover
Result less then Unpressed Bottle.



Result 80% to 90 % Label Remover

Model No.	Model H.P.	Water Pump HP	Capacity Kgs/hr
PLR-15	15	2+2	200 to 250
PLR-25	25	2+2	400 to 450

*Capacity Depend on Material & Feeding System

Recycling Extruder With Pelletizer Line

- Suitable for LD/HD/HM/PP Agglomerated & Grinded Material of Articles



Optional Hopper Screw Feeder



Model	HP	Total HP	Out put kgs/hr
90	25	50	90 to 100
100	40	70	125 to 140
120	60	100	180 to 200

Production Depend on Materials



Optional : Vanted Screw & Barrel



Granules

Recycling Extruder With Die Face Cutter Water Ring Type

- Suitable for LD/HD/HM/PP Agglomerated & Grinded Material of Articles
- S.S.Contact Parts Optional



Side Force Feeder optional



Model	HP	Total HP	Out put kgs/hr
90	25	65	90 to 100
100	40	85	125 to 140
120	60	115	180 to 200
140	90	170	350 to 400

Production Depend on Materials



Waste



Granules

In Line Recycling Plant With Die Face Cutter Water Ring Type

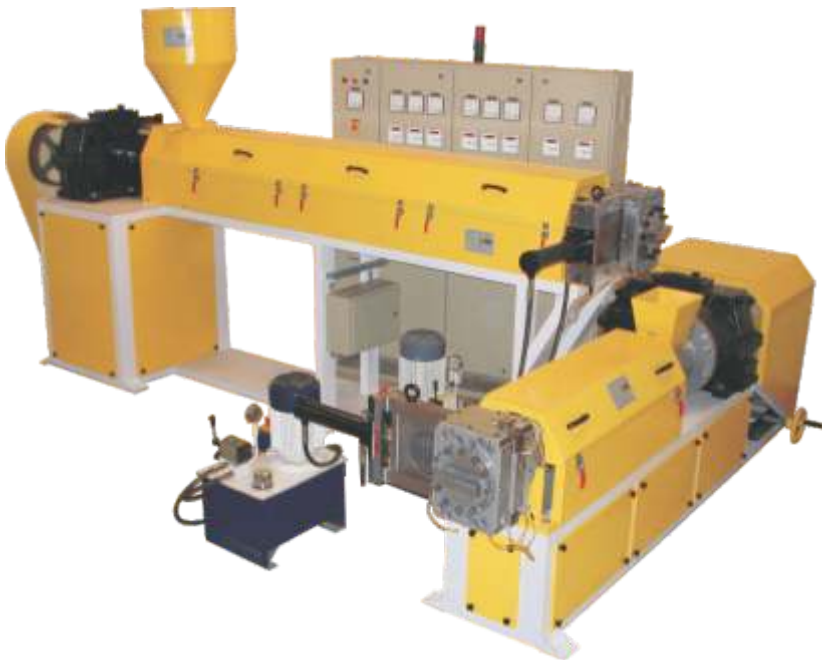


Suitable for LD/HD/HM
Film and HD Woven
Sacks Plant Waste Only

In Line Model	HP Extruder	HP Shredder	TOTAL HP	Out put kgs/hr
90 X 024	25	25	80	75 to 90
100 X 030	50	50	150	125 to 150
125 X 036	75	60	200	200 to 250

*Specification can be change without any prior Notice

Two Stage Recycling & Pelletizer line (Mother & Baby extruder)



SPECIFICATION

- This Production Line is Composed by two extrudes.
- Perfect vanted with two stage recycling for solidity of the pellet.
- This two stage recycling machine is more suitable for moisture/gas removing in dirty and printed waste material.
- Two stage filter system with hydraulic screen changer is optional.
- Low power consumption.

Model	Screw	Out put kgs/hr	Main Motor	Total Connected load
DTSR 90-100	90-100	90-100	18-22	65
DTSR 100-120	100-120	110-140	22-30	80

*Specification can be change without any prior Notice

Simple Mixture

SPECIFICATION

- Simple Mixture with Frictional Heat
Option : Timer & Heating Zone



Model No.	Main Motor	Capacity Kgs/hr
SM15	15/20	125 to 160
SM25	25/30	250 to 350
SM50	50/60	400 to 500

*Capacity Depend on Material & Feeding System

Tumbler Mixture



Suitable for
Mixing Master Batch
and Colour with Granules

SPECIFICATION

- Vertical Spiral Mixture For Mixing Plastic Granules, master Batch, Pigment or different Grade Material (Virgin & Semi Virgin) Powder etc...
- You can also heat the above material with optional Heating & Blower Attachment.

Vertical Spiral Mixture



Model No.	Electric Motor	Batch Capacity	Vessel Capacity
VSM 200	2 H.P.	200 Kg/batch	300 Kg.
VSM 300	2 H.P.	300 Kg/batch	400 Kg.
VSM 500	3 H.P.	500 Kg/batch	700 Kg.
VSM 1000	5 H.P.	1000 Kg/batch	1300 Kg.

Normal Mixing time 15 to 20 minutes (after feeding material).

Storage Cyclo & Screw Conveyor



Blade Sharpener



Without Agglo Recycling Plant With Die Face Cutter Water Ring Type



SPECIFICATION

Direct Hopper Force Feeding Grinded
Film Waste From Grinder (Without Agglo)
Material Heating only one time then
Quality of Material is Better.



Model	HP Extruder	HP Shredder	Blow	TOTAL HP	Out put kgs/hr
DDRP-90	25	15	5	70	80 to 100
DDRP-100	40	25	5	115	125 to 150

*Specification can be change without any prior Notice

Without Agglo Recycling Plant with Side Feeder Die Face Cutter Machine



SPECIFICATION

- Side Feeder Screw for Feed material in Main Dual Die Screw.
- Without Agglomerator Material Feed in Screw means
No property loss of Material
- Save Agglo Machine power / labour & its Maintenance through this Machine.

Model	H.P. Extra	Side Feeder Ele. Motor H.P.	Total Connected Load Ele.	Production Output Kgs./hr.
SF 100x70	30	3	65	70 to 80 Kgs./hr
SF 130x100	50	5	90	125 to 150 Kgs./hr

*Capacity Depend on Material & Feeding System

AWARDS



OUR MACHINES ARE RUNNING SUCCESSFULLY AT :

- AFRICA • BAHRAIN • BANGLADESH • CYPRUS • ETHIOPIA • GHANA • KENYA • MALAWI
- NEPAL • NIGERIA • OMAN • PAKISTAN • QATAR • RUSSIA • SAUDI ARABIA
- SRI LANKA • SCOTLAND • TANZANIA • THAILAND • U.A.E • U.S.A • YEMEN
- COLOMBIA • ANGOLA • SUDAN

Our Products Range for Recycling

- Roller Dust Remover • Dust Remover With Cutting system • Simple Grinder & Wet Grinder
 - Pressure Wash Machine • Online Grinding Washing Drying Machine
 - Dewatering Machine • Pet Bottle Label Remover Machine • Agglomerator
- Simple Mixture • Vertical Spiral Mixture • Tumbler Mixture • Hopper Screw Feeder
 - Recycling Extruder With Pelletiser • Inline Recycling With Daiface Cutter
- Without Agglo Recycling Plant • Edge Trim Recycling Machine (Mini Extruder Air Daiface Cutter)
 - Bailing Machine (Compactor Machine) • Pulveriser • Plastic & Pulp Separator Machine
 - Vibrator Screen • Batch Dryer for Articles • Rotary Pelletiser • Compactor Machine
 - Without Agglo Recycling Plant with Side Feeder Die Face Cutter Machine
 - Two Stage (Mother & Baby) Extruder • Grind-o-Wash Dry & Densifier Machine
 - Squeezing Cum Densifier Machine • Big lumps Granulator
 - Mechanical Purifier • Floating Tank • Friction Washer • Blade Sharpener
- Lumps Cutter Table • Hot Melt EPS Compactor • Storage Cyclo With Screw Conveyor



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