

BUFFALO





## ABOUT US

Founded in 1981, **NICHI** is an engineering provider for the ready mix industry with core expertise in mechanical and hydraulic engineering, respectively.

## VISION

To pursue making reliable and easy to operate products that meet the market's demand

## COMMITMENT

We believe you're best served by a company that excels in providing these services:

- Mobility In Our Batch Plants
- Computer Aided Designs
- Affordable Range of Products
- Quality Assurance
- Customized Solution
- Precision Engineered Mixers

## WHY NICHI?

NICHI emphasizes on providing an ideal range of products which truly caters to the industry's requirement.

## OUR GRATITUDE

Being recognized and accepted as the region's first OEM in the design and manufacture of batch plants and mixers has truly contributed greatly to the success which we owed to our customers today

## TOP MESSAGE

**"The future belongs to simple and reliable products which are practical on an international scale."**

For that reason, we are committed to prevailing on to develop and manufacture premium mixers, batch plants and associated products for the concrete, mining and raw materials industries.

Understanding that most of our customers derived from the most recognizable names in the concreting and constructive materials industries, we will take pride by continuing to serve them well with competence.

**"I take this opportunity to thank NICHI's customers for their many years of support and trust in us."**

Sincerely Yours,

**Jimmy Nichi**  
Nichi Malaysia



## TRADEMARK



**NICHI** products are proudly marketed under the **"BUFFALO"** brand



# BATCHING PLANT

"The dry modules are highly suitable for commercial to special mix grades."

Space constraint, costs and strict regulations have become the main concerns for most concrete operators of today. Therefore, we have simply designed and made our batch plants affordably transportable, versatile and cost effective to be maintained.

Though some of our plants are tailor made to suit our customers specification, our standard designs cover the:

## COMPACT SERIES CONVENTIONAL SERIES PRIME SERIES MAX SERIES

Specifications	Unit	Compact Series	Convnt. Series	Prime Series	Max Series
Capacity	m <sup>3</sup> /hr	45	60	100	120 - 150
Materials Storage Size	m <sup>3</sup>	2 x 15m <sup>3</sup>	4 x 15m <sup>3</sup>	4 x 15m <sup>3</sup>	4 x 20m <sup>3</sup>
Materials Weigh Vol.	ton	0 - 10	0 - 14	0 - 7.5	0 - 9
Loading Conveyor	in.	24	30	30	36
Cement Silo Size	ton	2 x 100t	2 x 100t	2 x 100t	4 x 100t
Cement Weigh Vol.	ton	3	3	3	3
Cement Conveyor(s)	dia.	Ø219	Ø219	Ø273	Ø273
Mixer Type	-	n/a	n/a	Twin Shaft	Twin Shaft
Mixer Capacity	m <sup>3</sup>	n/a	n/a	3	4
Control Unit	-	Semi-auto	Semi-Auto	Semi-Auto	Semi-Auto

**LOW SETTING UP COST**  
**TRANSPORTABLE VIA CONTAINERIZED METHOD**  
**RELIABLE BRANDS OF COMPONENTS**  
**STRUCTURAL DESIGNS - INTERNATIONAL STANDARDS**  
**QUICK INSTALLATION**  
**EASY MAINTENANCE WITH LOW OPERATING COST**  
**GUARANTEED DURABILITY FROM WEAR & TEAR**  
**GENUINE MANUFACTURERS' WARRANTY**



"The unique features of our plants allow for alternative layout options hence benefits long haul projects"



# INNOVATION

NICHI emphasizes highly on the development of its' products. In which all designs are precisely measured, calculated and put to test before being marketed to our customers. These tasks are only achievable with the support of our qualified engineers and dedicated assembly lines. As unforeseeable errors will only incur down-time and unnecessary losses.



Wet Mix Plant

# AUTOMATION

Our control console is directly linked to our custom-designed electronic switch panel which provides accuracy while batching on site. Desired concrete materials's quantity, mix quality, slump values and actual production reports are monitored using the recommended Command Alkon Software for the wet plant .Whether on manual or on full automation, it would never fail to deliver the results needed.



# MOBILE BATCH PLANT

Standard products alone cannot always solve our customers' concreting challenges. That is why we established an engineering team to integrate our equipment with the introduction of the mobile batch plant. Being the first to construct and present the mobile plant in South East Asia, we have certainly brought around a new solution for the concreting and mining industries.







Specifications	Unit	45 Series	60 Series
Capacity	m <sup>3</sup> /hr	50	65
Overhead Storage Size	m <sup>3</sup>	n/a	4 x 10
Materials Weigh Size	ton	0 – 14	0 – 14
Loading Component(s)	in.	24" Conveyor	30" Conveyor
Cement Silo Size	ton	50	50
Silo's Venting Filter	-	SILOTOP	SILOTOP
Cement Weigh Vol.	ton	3	3
Water Measure System	-	Flow Sensor	Flow Sensor
	-	Water Meter	Water Meter
Water Tank Vol.	ltr.	4, 500	4, 500
Screw Conveyor(s)	mm	1 x Ø323 2 x Ø273	1 x Ø273 2 x Ø273
Cabin Size	ft.	8' x 12'	8' x 12'
Ground Bin Size	ton	n/a	5

## AUXILIARY OPTIONS

"Unlike stationary type of batching plants, additional items like the horizontal cement silo, water tank, steel ramp, ground hopper or wet mixer system are the available options which can be added in to complement the mobile plant's efficiency."

## WHAT ARE THE ADVANTAGES?

- Affordable & Favors Mid-Range Projects
- Durable With Lesser Maintenance Cost
- Easy And Inexpensive To Transport
- Minimal Setup Space Required
- Fulfills All Safety Regulations Off And On Site
- Eliminates Waiting Time In CBD Areas
- Suitable for Supplying Small Scale Users
- Requires Lesser Foundation Cost



Its user friendly features and success had proven to be the value added reason to own one!



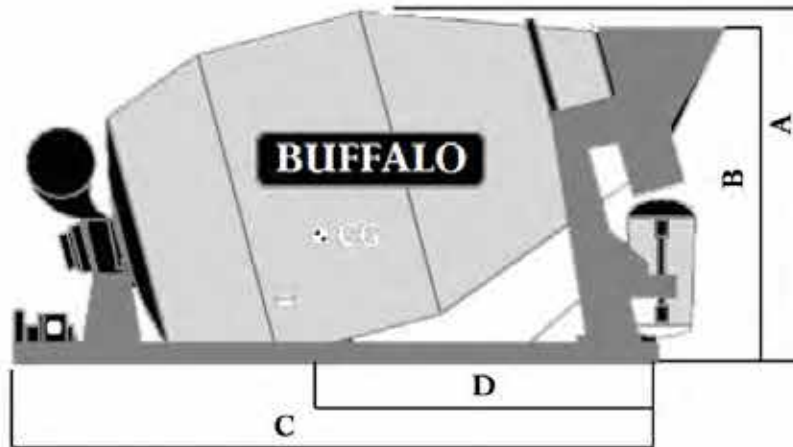
## WORKING FEATURES

The mobile plant is pre calibrated before being assembled onto a custom built trailer. It is then pre wired with the option to run on a generator unit. It later functions by providing concrete from a centralized point directly to a mixer truck. Our design comes with a water sprinkler system as to remain eco-friendly. Whereby cycle and batch process are easily monitored within the comfort of the control cabin.



# CONCRETE MIXER

For the past 32 years, Nichi has strived to bring together mixers that have been delivering concrete in the South East Asiaregion. The Buffalo® Brand mixers are indeed a trusted name to the ready-mix industries ensuring the perfect mix that meets all standards. The drum's main feature includes the blade sections which are uniquely shaped to provide the precise pitch for optimum mixing and uniformity.



TRUCK'S CHASSIS WIDTH

2440 ± 50 MAX WIDTH

No	Specifications	Unit	Add Info	3m <sup>3</sup>	7m <sup>3</sup>	8m <sup>3</sup>	9m <sup>3</sup>
1	Unloaded Weight	Kg	<div>                     thickness                     <div></div> </div>	2,030	2,800	3,220	3,990
2	Drum Capacity	m <sup>3</sup>		5.33	11.5	14.15	15.1
3	Mixing Capacity	m <sup>3</sup>		3	7	8	9
4	Dished End	mm		6	10	10	10
5	Front Section	mm		6	6	6	6
6	Mid Section	mm		6	6	6	6
7	Discharge Section	mm		5	5	5	5
8	Blades	mm		6	6	6	6
9	Trunnion Ring	mm		50 x 60	60 x 65	65 x 75	65 x 75
10	Reduction Gearbox		ZF	P3301	P3301	4300	4300
11	Pump		Rexroth	GHW90	GHW90	GHW90	GHW90
12	Motor		Rexroth	FM63	FM63	FM63	FM80
13	Hydraulic Cooler		Heat Exchanger Cooling System Custom made hydraulic hand pump Imported from Europe especially for mixers Surface hardened Ø8" alloy steel Constructed using 100 x 100 x 6(m) SHS				
14	Hydraulic Jack						
15	Control Lever						
16	Drum Rollers						
17	Sub frame	mm					
	Length of Subframe	mm	(C)	4, 110	4, 725	5, 280	6, 100
	Estimated Height to CG	mm	(E)	700	925	1, 000	1, 050
	Overall Height	mm	(A)	1, 975	2, 540	2, 675	2, 725
	Height To Hopper	mm	(B)	1, 885	2, 450	2, 530	2, 540
	Estd. Center of Gravity (CG)	mm	(D)	2, 000	2, 450	2, 750	3, 000
18	Water Tank Capacity	litres	160L	Pressurized cylinder tank 5' chute with 3' fold-over piece			
19	Discharge Chutes	ft					

WE RESERVED THE RIGHT TO ALTER ALL SPECIFICATIONS WITHOUT PRIOR NOTICE

# OTHER PRODUCTS & SERVICES

Whereby the responsibility to provide solutions plus alternatives to the unique requirements of some clients had allowed us to contribute further into complementing sectors. These sectors are the:

## Coal & Mining Industry



Special drum system for tunnel projects

## Quarry Industry



Tipper body - Stable And Reinforced With Strong Beams And Angles For Rough Terrains

## Ready Mix Industry



Concrete reclaimer

## Industrial Plant



Mortar Plant

## Tunnel Industry



Cigar Drum Mixer

## Rock Dumpers



For heavy duty site loading and dumping of rock materials





## SUBSIDIARY

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