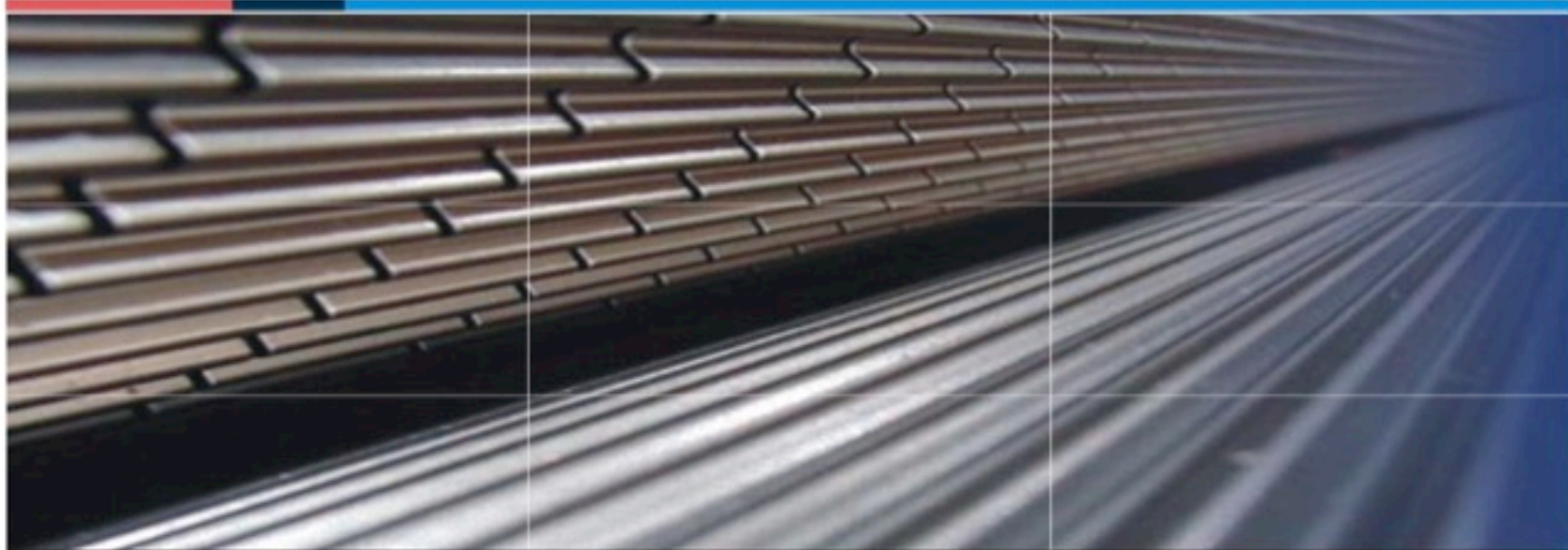




# BKG CORRUGATED

(Corrugated Division of B K Gears Pvt Ltd)



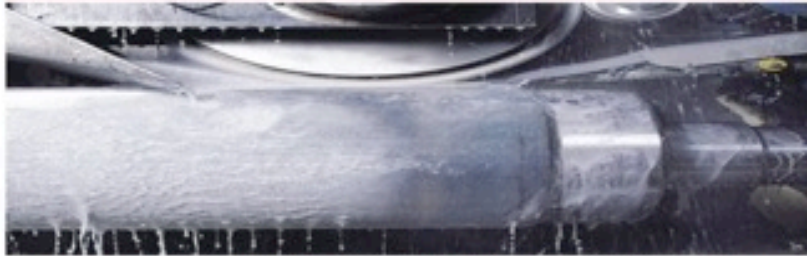
**BKG'S Corrugating Rolls & Equipments deliver a Greater & an Efficient depth of performance.**

Let us share with you our Experience And Knowledge- No Matter what type, make or size of the Corrugating Equipment, we can offer you unmatched & personalized solution to meet your needs.

- Corrugating Rolls (High Precision Grinding- New as well as Reconditioning of Old Rollers) (Tungsten Coated/Super Chrome Plated)
- Spacial provision for change of flute profile for existing corrugating.
- High Speed Single Facers with Tungsten Coated Rollers (Design Speed- 150 Meters/Minute)
- Impression Rolls/Pressure Rolls with Parabolic Crowning on CNC Grinders
- Doctor Rolls
- Glue Applicator Rolls
- Single Facers (Vertical & Oblique Type)
- Paper Corrugating Plants and Ancillary Equipments
- Spares of all types of Paper Corrugating Plants and/or Equipments

Log on to: [www.bkgcorrugated.com](http://www.bkgcorrugated.com)

# CORRUGATING ROLLS



**We Manufacture, Re-Grind and Re-Flute Corrugating Rolls for all types of Single Facers with special provision for change of flute profile for existing roller**

## BKG- CORRUGATING STORY

BKG is the brainchild of Legendary Mr. Bal Kishan Thapar, established in 1963. Since its inception, the company has grown multitudinous from manufacturing of Industrial gears to developing High Precision Grinding Corrugated Rollers. With the ever-growing Packaging Industry, BKG rightly diversified into manufacturing Corrugated Box Making Plants and Equipments.



- Thick and homogenous
- No crack, no break up of flutes.
- Maximized toughness of flutes.



- Thin and uneven hardened layer.
- More likely to have cracks or broken teeth during operations.
- Low bending strength and fragile flute tips.

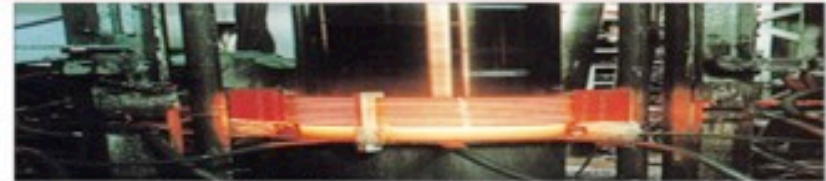
**Special Alloy Steel for Maximum Life**

## BKG- SPECIALLY PROCESSED & PREPARED RAW MATERIAL

We use specially prepared & developed Steel for manufacturing of Corrugating Rolls, Impression Rolls, Doctor Rolls & Glue Applicator Rolls.

### Benefits:

- 13 - 15% higher depth hardness as compared to any standardized material.
- Consistent Hardness as Standard materials lose their hardness during the process of Tempering.
- Heat Resistance
- High Resistance to Wear
- Optimum Ductility



**Regulated & Most Advanced Heat & Hardening Treatment**

## BKG- REGULATED HEAT & HARDENING TREATMENT

The Heating System developed by BKG Corrugated, with peripherally drilled & bolted corrugating rolls, is a significant invention, particularly where production at high speed is an important parameter.

### Positive Effects of BKG's Regulated Heating & Hardening System:

1. Optimum condensate return
2. Maintenance-friendly as no siphon tubes are required
3. Stable & Uniform temperature profile over the entire working length & width, resulting in greater diameter consistency and improved adhesion
4. Effective Conductive steam dissipation to the rolls
5. Fast warm-up and temperature adaptation to changing production demands
6. No board distortion during roll stops ("banana effect")



**Flute Profile & Surface Roughness Testing Parameters- Change of Profile for Existing Roll is Indeed Possible with BKG Corrugated**

## BKG- FLUTE PROFILE TECHNOLOGY & TESTING PARAMETERS

We design application based customized flute profiles in order to obtain better corrugated board quality, efficient paper consumption and perfect run ability.

### Benefits:

1. Rolls are rebuilt to OEM specs, journals restored if required
2. Proprietary weld overlay allows changing roll to another flute type
3. Any profiles possible from standard to reduced take-up to specialty flutes
4. Rolls are profile ground to extreme accuracy for better operation
5. Availability of More than 700 Types of Flute Profiles

## QUALITY BOARD AT HIGH SPEED WITH LOW PAPER CONSUMPTION AND EFFICIENT RUNABILITY

### BKG- HVOF THREE DIMENSIONAL ROBOTIC TUNGSTEN COATING TECHNOLOGY

To meet the requirements of Quality corrugated board production at High Speed, we have developed a Special HVOF Three Dimensional Tungsten Carbide Coating.

#### Benefits:

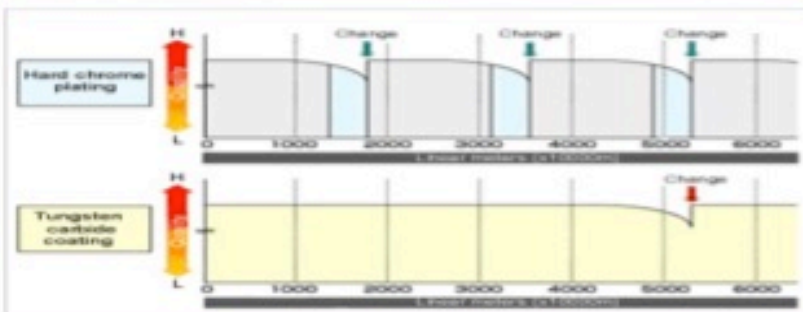
- Excellent quality with a high degree of hardness
- Excellent resistance to wear
- Excellent bonding of the layer to the basic material
- Low degree of roughness.
- Consistent Caliper Height over the complete service life and across the working Length & Width
- Even distribution of the carbides - Extremely high density and hardness

As an alternative, we also offer the Hard Micro Chrome coating. The requisite coating has a thickness of  $\mu\text{m}$  of 100.

However, the Life of a Tungsten Coated Roll is 30 – 35 Linear Million Meters, nearly 6 Times the Life of a Chrome Coated Roll.



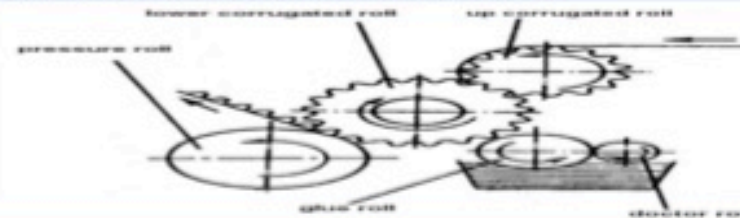
Robotic Tungsten Coating



### BKG- Grinding, Parabolic Crowning & Coating For Impression Rolls (Pressure Rolls), Glue Applicator Rolls & Doctor Rolls on CNC Grinding Equipments

We manufacture, Grind & Parabolic ally Crown Pressure Rolls for all type of Single Facers. Crowning is necessary to compensate for deflection in order to obtain a uniform nip pressure distribution. Roll crowning is intended to ensure proper web alignment and mainly to counter the effects of deflection.

We also manufacture & Grind Glue Applicator Rolls & Doctor Rolls for all types of Single Facers.



### BKG- Compact Paper Corrugating Plants (High Speed Single Facers with Tungsten Coated Rollers + Shaft Less Paper Roll Stands with Splicer & Other Box Making Equipments)



High Speed Single Facers with Tungsten Coated Rollers (Design Speed- 150 Meters/Minute)



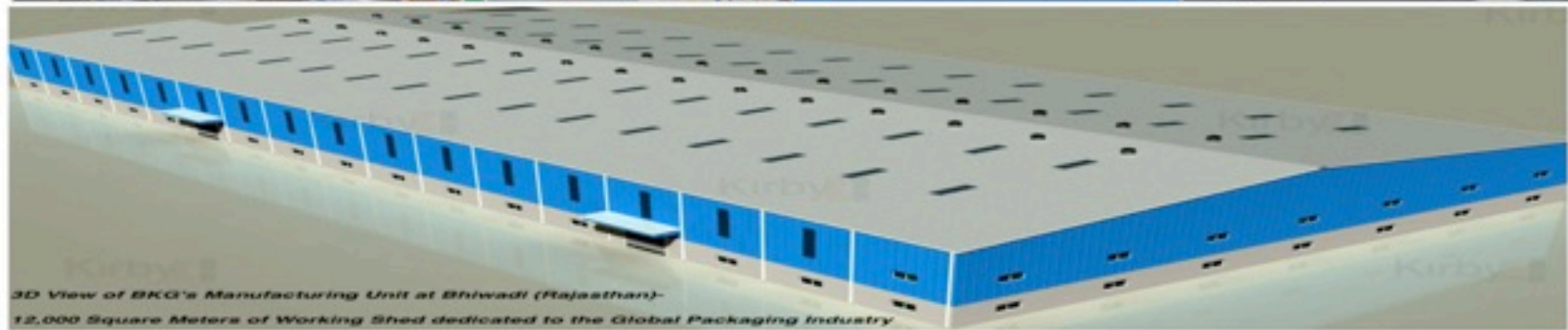
Shaft Less Paper Roll Stands with Splicer



NC Cut Off

## BKG- Spare Parts for All Types of Paper Corrugating Plants & Equipments

BKG maintains a comprehensive inventory of spare parts at its warehouses in different locations across the Globe to ensure quick availability for the frequent & infrequent replacement of parts required for maximum performance of all types of paper corrugating plants & equipments. Most of these parts are domestically manufactured by us on CNC & VMC Equipments in order to permit better response to emergency needs at reasonable prices.



3D View of BKG's Manufacturing Unit at Bhiwadi (Rajasthan)-  
12,000 Square Meters of Working Shed dedicated to the Global Packaging Industry

**BKG- Contact Details: Let us Convincingly Serve You  
with Best Quality & Enhanced Service Network  
(BKG Corrugated: Corrugated Division of B K Gears Pvt Ltd)**

Registered Office	Manufacturing Unit 1	Manufacturing Unit 2	Manufacturing Unit 3
3/28, Ramesh Nagar, Near Bal Kishan Thapar Marg, New Delhi- 110015, India	31/1 A, Lane No 3, Anand Parbat Industrial Area, New Delhi- 110005, India	M-14, Lane No 2, Anand Parbat Industrial Area, New Delhi- 110005, India	E-167, 167A, 168, 263 & 264, Kehrani Industrial Area, Bhiwadi Extension, District Alwar, Rajasthan- 301019, India

**Email:** [bkgcorrugated@gmail.com](mailto:bkgcorrugated@gmail.com), [bkgears14@yahoo.com](mailto:bkgears14@yahoo.com), [info@bkgcorrugated.com](mailto:info@bkgcorrugated.com)

**Web Page:** [www.bkgcorrugated.com](http://www.bkgcorrugated.com), [www.bkgears.com](http://www.bkgears.com)

**Skype Id:** bkgcorrugated

**Ph:** +91-11-4151-9930, +91-11-4508-6602 24

**Hours Hotline:** +91-98116-68695

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