



# CTEK ENGINEERING MAINTENANCE PROFILE

## CTEK ENGINEERING (PTY) LTD

14A Magnus Road,  
Valhalla  
Centurion  
0157

**Admin:** 082 323 5050 / 072 470 3879  
**Email:** ctek.engineering@gmail.com  
**Company Reg#:** 2019/023646/07  
**VAT#:** 4250296839  
**TAX#:** 9454252199





# PURPOSE OF MAINTENANCE PROFILE

The purpose of this maintenance profile is to provide our clients a view of all the activities and maintenance performed by CTEK Engineering in the most cost-effective and timeous manner.

Maintenance will allow the plant, machinery, and equipment to run smoothly without downtime and postponement of production. The food processing equipment and machinery of bakeries are susceptible to failure through breakdown and deterioration in performance due to general wear and tear.

There might be a possibility of food contamination - due to foreign bodies of broken machine parts - if the equipment and/or machinery breaks down. The potential micro-organisms growing in harbourage sites such as cracks, crevices, pockets, and lubricating fluids from, e.g., broken bearings. Therefore, equipment and machinery require regular and planned servicing and maintenance, which include:

- Inspection/Checking
- Replacement
- Lubrication
- Repair
- Modification

## TYPES OF MAINTENANCE

CTEK Engineering provides the following maintenance:

- **Preventive Maintenance:** Planned program of check, services, and repairs designed to avert equipment failure or building deficiencies.
- **Corrective Maintenance:** Scheduled work to improve the quality or performance of malfunctioning or broken equipment and restore it to proper working conditions.
- **Unscheduled Maintenance:** Reactive in nature, occurring immediately when a critical repair is needed, often during unpredicted breakdowns.
- **Temporary Repairs:** Short-term repairs that use a variety of approved temporary materials and that are replaced with a permanent repair as soon as possible.



# SPECIALIZED MAINTENANCE



## 3.1 MIXERS

- Remove, clean, and replace flour hopper socks, lid sock, and water pipes
- Remove side panels for full inspection (brakes, cam belt, motor)
- Clean impacted plate, water tanks, and electrical motors
- Inspect and service lid locks, seals, and reach switches
- Inspect ice machine (bearings & hygiene)
- Inspect welding and repair if required
- Replace components where necessary (brakes, hub, vacuum pump, copper shims)
- Full calibration after completion

## 3.2 HI-TIP

- Remove covers and inspect all components
- Inspect and replace bearings if required
- Inspect, lubricate chains and sprockets
- Inspect motor and limit switches
- Tighten all bolts and nuts

## 3.3 ICE MACHINES

- Remove covers and inspect components
- Clean system (including vinegar flush)
- Inspect and grease bearings
- Reassemble unit

## 3.4 ROUNDER

- Remove cover for inspection and cleaning
- Inspect gearbox, motor, and bearings
- Replace components if required
- Grease all bearings

## 3.5 CONVEYORS



- Inspect conveyors for any damage.
- Inspect wear strips.
- Inspect sprockets.
- Replace/repair any damaged sprockets and wear strips.
- Grease all bearings

## 3.6 FIRST PROVER

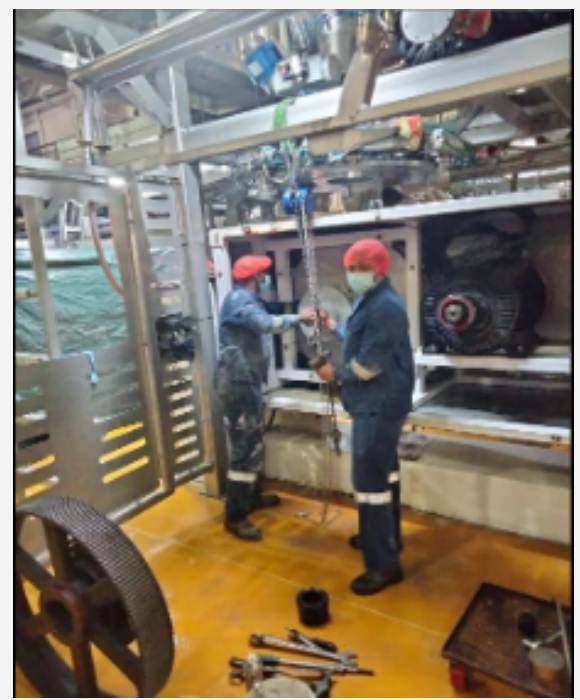
- Strip, inspect, and clean full unit
- Inspect buckets, chains, and motors
- Lubricate all chains and bearings

## 3.7 INSTALLATION OF INDUSTRIAL FANS

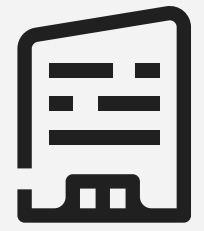
## 3.8 VALVE INSTALLATION

## 3.9 SPECIALIZED PLUMBING

## 3.10 DRYWALL AND CEILING INSTALLATION



## 4. GENERAL MAINTENANCE



- Interior & exterior painting
- Waterproofing
- Tiling
- Gate motor maintenance
- General plumbing
- Building renovations

## 5. GARDEN SERVICE SCOPE

### **Lawn Care:**

- Mowing, edging and trimming
- Fertilization and weed control

### **Plant & Flower Bed Maintenance:**

- Pruning and deadheading
- Seasonal planting and mulching

### **Pruning & Trimming:**

- Trees, shrubs and hedges

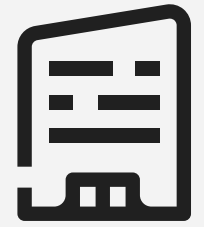
### **Leaf & Debris Removal:**

- Seasonal Cleanup
- Clean of stormwater drains
- Cleaning of parking areas

### **Irrigation System:**

(The proposal excludes repairs and/or maintenance to the irrigation systems)

# CONTACT DETAILS



*At CTEK Engineering, we provide proactive maintenance solutions to keep your plant and machinery running efficiently, safely, and without costly downtime. Our services—including inspection, replacement, lubrication, repair, and modification—help prevent breakdowns, reduce contamination risks, and extend equipment lifespan.*

*Contact us to keep your operations running smoothly and cost-effectively.*

ctek.engineering@gmail.com



14A Magnus Road, Centurion



ctekengineering.co.za



082 323 5050 / 072 470 3879



## CTEK ENGINEERING (PTY) LTD

14A Magnus Road,  
Valhalla  
Centurion  
0157

**Admin:** 082 323 5050 / 072 470 3879  
**Email:** ctek.engineering@gmail.com  
**Company Reg#:** 2019/023646/07  
**VAT#:** 4250296839  
**TAX#:** 9454252199

